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The HEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER
AUGUST 13, 1949

for FIRST AID in the HOME-

ecommend PROPAMIDINE CREAM-M&B



antiseptic for cuts, abrasions, burns,

nsect bites, stings etc.

**ATTRACTIVE SHOWCARDS
SUPPLIED ON REQUEST



Retail Tube Price: 1s. 9d. of 1 oz.

BONUS TERMS OF 13 TO THE DOZEN AVAILABLE IN RETURN FOR DISPLAY SERVICES

manufactured by MAY & BAKER LTD

48108

HARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

Index to Advertisers pp. 5 & 6

Monsanto

PHARMACEUTICALS



The unseen guardians

In producing chemicals for the Pharmaceutical industry there are three absolute essentials—quality, uniformity, and purity. At Ruabon, a staff of highly-skilled control chemists watches every stage of manufacture to ensure those fundamentals. The result is that Monsanto pharmaceuticals not only conform to B.P. standards but often surpass those standards by a considerable margin. Another point worthy of note, is that Monsanto themselves, produce most of the raw materials from which those pharmaceuticals are made, thus giving the assurance of control from start to finish right along the line

Write to Sales Department for Bulletin "Chemicals for the Pharmaceutical Industry".

MONSANTO CHEMICALS LIMITED VICTORIA STATION HOUSE, LONDON, S.W.I

MONSANTO PHARMACEUTICALS INCLUDE:

ASPIRIN **ASPIRGRAN** ACETYL SALICYLIC ACID B.P. SODIUM SALICYLATE B.P. SALICYLIC ACID B.P. METHYL SALICYLATE B.P. PHENACETIN B.P. SODIUM BENZOATE B.P. BENZOIC ACID B.P. SALICYLIC ACID (Technical) PHENOL B.P. CRESOL B.P. CRESANTOL 3 CRESANTOL 15 CRESANTOL 15-R P.C.M.C. P.C.M.X. PHENOLPHTHALEIN B.P. LYSOL B.P.



VANILLIN B.P.





ON GUARD

in tinea territory



A vity is on the increase in swimming pools, baths and other cores of communal recreation where the organism responsible for mycotic infections find their hosts. There is still time to profit in the seasonal spate of these infections by stocking up with M sagel right away. Mersagel has proved its worth for many yers in the treatment and prevention of fungus skin diseases. It comiss the powerful fungicide, phenylmercuric acetate, in a special water-soluble jelly base. A colourless jelly, Mersagel is the efore clean to use—a very powerful sales-point. Moreover, M sagel does not normally irritate the skin and is suitable for the customer's personal application.



Phenylmercuric acetate (1:750) in a water-soluble jelly base In 14 oz. tubes & 16 oz. jars

For extra profit—order direct Mersagel Parcel 2 doz. x $l\frac{1}{2}$ oz. tubes £1 - 12 - 0. Retail £2 - 8 - 0

GAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

`^

INTRODUCING



a three-fold weaning cereal—fortified, pre-cooked, ready to serve





SELLING 1 PROFIT 25

TERMS:

10 oz. packets 11/6 doz. net subject to $2\frac{1}{2}\%$ cash discour

PACKINGS:

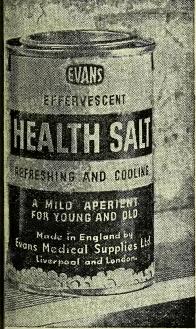
Cases of 2 doz.

Robres is being advertised nationally and showe is and descriptive leaflets are available on application.

RODIOS — THE PACKET WITH THE SHELF APPEL

KEEN ROBINSON AND CO. LTD., CARROW WORKS, NORW H

Make sure your stocks
DO meet
your



DO meet your customers' requests

New show material is now available to help you to sell this attractive pack of Evans Health Salt.

Order your stock now and display on your counter.

WHOLESALE 9/3 per doz. plus $33\frac{1}{3}\%$ Purchase Tax. 6 doz. at 9/- per dozen, plus tax.

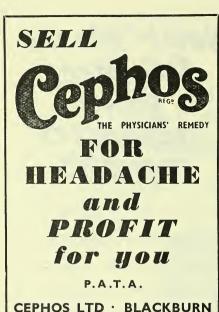
EVANS

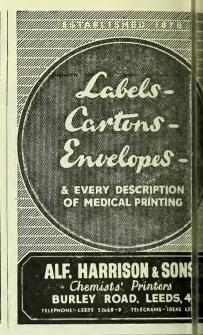
ANS MEDICAL SUPPLIES LTD

Speke, Liverpool 19 and Bartholomew Close, London, E.C.1.

Distributing Depots :

AST, BIRMINGHAM, BRISTOL, LEEDS, MANCHESTER, SHEFFIELD AND SWANSEA





It pays to display

THIS COLOURFUL SHOWCARD

Every week the demand for Jeypine grows bigger and bigger! Hardselling, full-scale national advertising is creating this demand for you. So let your customers know that you are a Jeypine stockist by displaying this striking three-colour showcard. Once your customers have used Jeypine in their homes, they will come back for more.

FREE ON REQUEST to Jeyes' Sanitary Compounds Co. Ltd., Millbrook, Chigwell, Essex, or by application to the Jeyes' representative when he calls.



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FREE tube of 'Vasano' with every dozen tubes you order!

TH every 12 tubes of 'Vasano' Travel ness Remedy ordered direct or from wholesaler, an additional tube is 1 FREE. This means that you can e 8\{\}\text{d}\text{. profit on every tube of 'Vasano' sell. Order now, and you will get this 1 profit throughout the travel season 1 the demand for 'Vasano' naturally sases. 'Vasano' retails at 1/9d. per each containing 10 tablets (plus 5d. hase Tax). Wholesale price: 14/doz. If you would like to know more it 'Vasano' and this free offer, write s today.

Showcard available on request



69 CREAT PORTLAND STREET, LONDON, W.I



DOCTORS REGULARLY PRESCRIBE 'VASANO'

'Vasano' is a specially blended combination of the alkaloids Hyoscyamine and Hyoscine with Camphoric Acid and Sodium Bicarbonate, thus ensuring multiple spasmolytic, sedative and carminative action. You can recommend 'Vasano' with absolute confidence.

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To Remind You.



There is no "close season" for the sale of Mi a Indigestion Tablets. Strong nation-wide advertising una that, all the year round, your stock will sell stead be we have very definite proof that a small display o counter, or in the window, will, by reminding yo tomers, do wonders in the way of increasing or " Moorlands" turnover.

Retail Prices: Moorlands 1/8 and 10d. (inc. Tax), Penetrol Inhalant 2/3 Penetro and 3/6. Pene-halers 1/8 (inc. Penetrol In-(inc. Tax), Urillac 1/5, 3/4.

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TABLE



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LTD..

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LEEDS P.A

AMINOPHYLLINE ASPIRIN, **BROMIDES** BEECHWOOD CREOSOTE CHLORAL HYDRATE PHENAZONE 'RHODIA' BRAND POTASSIUM BROMATE QUININE SALTS 'AMSTERDAM' & 'MAARSSEN' BRAND

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12 FINSBURY CIRCUS, LONDON, E.C.2

Pelegrams: GREEFF AVE LONDON. Telephone: LONDON WALL 5241



PILLS and TABLETS

For efficient specialized

MANUFACTURING and PACKAGIN

service — ask

The acknowledged experts H. COX & CO. LTD. BRIGHTON, 7, S ARTHUR

300,000 first born babis

are going to need baths, "potties" and pails

Yes! and 300,000 proud new mothers will want to equip their nurseries with Enna Nursery Products. Here's why -

★ All Enna Nursery Products are protected by a 12 months' guarantee. ★ They are in daily use by the Middlesex Hospital Authorities where their practical qualities of lightness, hygiene and scientific design have been thoroughly tested and approved.

★ The full range is available in four lovely pastel shades calculated

to enhance the appearance of your shop.

G	U	 JU	 m.	3 (UU	UP	ÜN

Please ask your representative to call send further particulars

NAME (IN BLOCK LETTERS)

ADDRESS

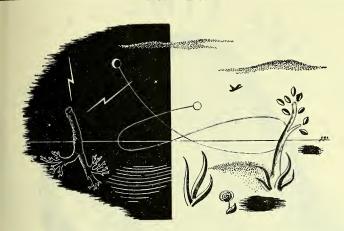
Post in unsealed envelope, 1d. stamp to:-

ENNA NURSERY SPECIALISTS, DEPT. C, BIDEFORD AVE., PERIVALE, MIDDX. TEL: PERIVALE 1155

proud new mothers Enna Products ad iso prominently in Natio Provincial Newspape and Magazines.



BAYER



relief . . . in asthma

Conscious or unconscious fear of an attack often shadows the mind of the asthmatic: the knowledge that he has 'Franol' to forestall or relieve such attacks can dispel this shadow and restore confidence.

Franol' is a potent combination of ephedrine (to relieve bronchial spasm), theophylline (to dilate the bronchioles) and Luminal' (to mitigate apprehension).

At the first warning of an attack, two tablets of 'Franol' will often bring relief. Taken regularly, 'Franol' will bring an all-round improvement in the general condition.

Trade 'FRANOL' Mark

ANTI-ASTHMATIC

Medical literature supplied upon request.



Tablets in tubes of 20, bottles of 100, 500, 1,000

BAYER PRODUCTS LIMITED

AFRICA HOUSE . KINGSWAY . LONDON . W.C.2 (HOL 8730)



Hiltone is a ready-selling line that brings back customers again and again. They know they can rely on Hiltone's controlled action either to brighten the hair and restore the gloss of youth or to make it perfectly fair—and always natural-looking. Country-wide demonstrations and bigger-than-ever

press advertising, backed by attrace show material, will ensure a big r for Hiltone. The famous slogan—'s light as you like . . . and no light — will be seen—and acted on—millions of readers. Stock Hilt display it—you'll sell it. Symaterial sent on request.

ro H.T.

AS LIGHT AS YOU LIKE . . . AND NO LIGHTER COUNTY PERFUMERY CO. LTD., STANMORE. MIDDLESEX



The value of intensive treatment of vitamin B_1 (aneurine, thiamin) is generally recognised. Massive doses of 50 mg. to 100 mg. or more a day are frequently prescribed. To meet this modern trend we have introduced a new strength of vitamin B_1 tablets in bottles of 25, 100 and 500.

Other strengths include: Tablets of 10 mg, and 25 mg, in bottles of 25, 100 and 500.



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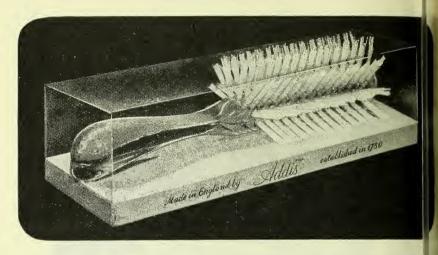


For the injection of large doses 'Benerva' ampoules of 25 mg. and 100 mg, are recommended.

The 1949 edition of the Roche Price List which has been completely revised and brought up-to-date is now available. Chemists are asked to make early application as the supply is limited.

PRODUCTS LTD., WELWYN GARDEN CITY, HERTS

Scottish Depot: 665 Great Western Road, Glasgow, W. 2.



It sells on sight!

Here, at last, is a hairbrush specially designed to beautify women's hair. No wonder the new Addis Beauty Brush is selling so fast that production, already doubled, is being still further increased!

As thousands of women have already discovered, the Beauty Brush

brushes deeper than any hairbrush yet invented, makes even 'difficult' hair look noticeably prettier. This lovy new brush has a clear geme plastic handle in a choice of the colours — pink, green or blue. It remember—the Addis Beauty Br 1 is a line that keeps selling the we year round on its sheer sound ver for money. Retail price 12/6 cluding tax); price to you 82/6 to dozen plus tax.

THE BEAUTY BRUSI

in its attractive presentation contains

Addis BEAUTY BRUSH

ADDIS BEAUTY BRUSHES ARE MADE ONLY BY ADDIS LTD. OF HERTFORD ESTABLISHED I



PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

fice & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton was Lyne Telephone 2816 (2 lines)

And he fashioned the first ploughshare

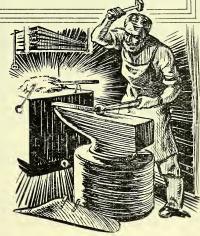
Tower of the forge was as vital to the craftsman esterday as the power of good printing is to m rn business today. Furthermore, sound design, be it ploughshares or printing, reflects the skill and clear of the man or organisation behind it.

is your ambassador-at-large and to achieve mum effect it must be of the highest standard.

Cult us when next you are planning brochures, streams, cartons, labels, etc. We shall be pleased to lace our 70 years' experience at your service.

THOMAS WAIDE & SONS LTD. KIRKSTALL HILL, LEEDS, 5

Part Specialists for over 70 years



Announcement

TAX FREE

Dispensing Packs

It is with pleasure that we advise DOCTORS, CHEMISTS and WHOLESALERS that HIS MAJESTY'S CUSTOMS AND EXCISE have approved and passed the NEW CURICONES "Dispensing Only" PACK.

This new, free of Purchase Tax dispensing pack, is now available for immediate supply.

Curicones Capsules	Medical	Price to Retail		
500	Profession 37/6	Chemist 28/2		

The Medical Profession has been advised that the new price will take effect from August 1st, 1949. Every endeavour is being made to ensure that packs are available to meet the immediate demand that is bound to be forthcoming to fill prescriptions. ORDERS to your usual wholesaler please.

URICONES

The two standard packs remain unaltered at 5/6 and 26/5 (incl. pur. tax).

STEPHEN MATTHEWS & CO. LTD. 19/21 Farringdon Street, E.C.4

Durable Antisepss

The most effective antisepsis and be vitiated, particularly in obstrict practice, by re-infection with progenic organisms. The objective, three fore, must be not merely to de of the organisms already present, but make the treated surfaces unter the organisms that may reach them

The protection afforded by 'Dettol' is prolonged. Unless was off or grossly contaminated, 'Dettol' painted on the unbroker in and allowed to dry confers insu ptibility to fresh infection by stococcus pyogenes for at least two h

DETTO

THE MODERN ANTISEP

RECKITT & COLMAN LTD., HULL AND LO'PHARM ACEUTICAL DEPI., H



Rimmel Soaps give retailers a profit of 41% (46% on a £15 parcel!) on the selling price of 1/4½ per tablet. Terms to retailer: 9/9 per dozen less 2½%—plus tax. Terms to wholesaler: less 2½% and 12½%. Now is the time to order Rimmel Soaps. If you have already allocated your S.P.'s for this period, make sure of future supplies by placing a regular period reservation r these profitable 3 oz. tablets. All Rimmel Soaps contain genuine French imported perfume.

RIMMEL DISTRIBUTORS LTD., NORTH ROW, PARK LANE, LONDON, W.I



to taper, shape and thin the hair at hom

Indispensable before home waving to thin, shape and style the h. Keeps hair well-styled between permanent waves. Safe and easy use. For all the family. Perfect for children; keeps men's hair negroomed between haircuts. Chemists everywhere have been que to appreciate the possibilities of this quick-selling, profitable l



CARNEGIES OF WELWYN

specialize in the manufacture and distribution of

QUININE and SALTS

ALKALOID
BISULPHATE
DIHYDROCHLORIDE
HYDROBROMIDE
HYDROCHLORIDE
SALICYLATE
SULPHATE
(B.P. 1932 & B.P. 1948)
TANNATE

TOTAQUINE

VALERIANATE

CARNEGIE CHEMICALS (WELWYN) LTD CARNEGIE QUININE WORKS LTD

ELWYN GARDEN CITY: HERTFORDSHIRE: ENGLAND
LEGRAMS: CARNECHEM, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

CITRIC ACID

TARTARIC ACID · CREAM OF TARTAR
ROCHELLE SALTS · CALCIUM GLUCONATI
LITHIUM CHLORIDE · LITHIUM CARBONA':
LITHIUM HYDROXIDE

OF GUARANTEED QUALITY



ESTABLISHED 1870

MANUFACTURING CHEMISTS

Products under Development and Research

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CROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.3, 6.

Telephone: ADVANCE 1234 (7 lines)

CODES ABC 6th, Bentleys Private

Staffallens

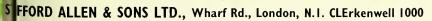
DIGITALIS PULV.

(Biologically assayed and adjusted.)

Manufactured under the strictest scientific control, from leaf grown on our own Long Melford farms.



SEND US YOUR ENQUIRIES AND ORDERS



Specification ACID HYPOPHOSPHORO Another STERLING

Formula - H,PO, Mol. Weight 66. Properties. A white crystalline solid soluble in water. The hypophosphorous acid of commerce is an aqueous solution of this solid acid and is a an aqueous solution of this solid acid and is a colourless odourless acid liquid. Hypophosphorous acid is a monobasic acid and possesses strong acid is a

Standard. Solutions containing 50%, 31% and The 31% of H₃PO₂ are manufactured. The 31% with the requirements of strength should comply with the requirements of reducing properties. strength should comply with the requirements of strength should comply with the requirements of the British Pharmaceutical Codex (1934) and the 10% (Dilute Hypophosphorous Acid) with the requirements of the British Pharmacopæia.

Uses. Hypophosphorous Acid is used as a reducing agent in organic synthesis, as an analytical reagent, in the preparation of other hypophosphites and as a preservative for hydriodic acid.

Packages. Glass carboys and winchester quarts. Manufacturers: THOMAS TYRER & CO. LTD. Stratford, London, E.15



THOMAS TYRER & CO. LTD. · STRATFORD LONDON . E.1

To

"the Best Chemist round here"

I is to you that people will come when they want Reger & Gallet creations. Can you supply them? For it tot, where will they go when the forthcoming advertments have sent them out determined on Roger & Cllet cosmetics and perfumes? Don't lose such good b iness; write now for details of packings, prices and d play material. Roger and Gallet (London) Ltd., Lehmere Rd., London, N.W.2. Tel. Willesden 2171-2.

EAU DE COLOGNE : LYRE PERFUMES : FACE POWDER : DAY CREAM : NIGHT CREAM LIPSTICKS : CREAM ROUGE : LIPSALVE DE LUXE : LIQUID AND SOLID BRILLIANTINE TALCUM POWDER



unveil fresh boveliness

-THE KEYNOTE
OF THE NEW ADVERTIS:NG CAMPAIGN

The

'Feedrite' baby feeder

Patent applied for

- . the last word in the evolution of the PERFECT FEEDER
 - ★ The "FEEDRITE" keeps milk at the correct temperature during the entire feed.
 - The "FEEDRITE" is an attractive addition to baby's trousseau. The pink container with blue nursery rhyme motif makes instant appeal.
 - ★ The "FEEDRITE" protects the bottle against breakage.
 - ★ Only genuine Pyrex bottles are used.
 - * Every "FEEDRITE" presented complete (but without teat) in a pleasing individual carton.

Wholesale 39/- Per dozen

Price to Public 4/6 complete with Pyrex Bottle (excluding Teat)

Ouantity terms on application

Manufactured by:--

Telephone: Liberty 3443

Morley, Rogers (Feedrite) Ltd. 300 KINGSTON ROAD, LONDON, S.W.20

YOUR PROBLEM

of manufacturing, packing and despatching your own private formula product can be eased by an early consultation with

H.O.Lloyd (Cheltenham) Ltd 1,10,11 Suffolk Parade 1,10 described Cheltenham Glos. Cheltenham Phone: 4949

MODERN PLANT, PROMPT AND EFFICIENT SERVICE, EXPERT SUPERVISION AND SECURITY.

WRITE TODAY

NEWS about

TEETHING EMOLLIEN

This exclusive-to-Chemists line is now being regularly advertised on a nation-wide basis in a number of women's journals and periodicals.

BE READY to meet requests for "PEGOL"—order through your wholesalers.

Trade price: 16/6d. per doz., plus tax. Retail price: 2/6d. incl. tax.

Bonus terms of 13 to the dozen available for orders of 1 dozen upwards

SHOWING A MARGIN OF UP TO 37%

Effective Showcard Forwarded on Requi

hey will all be reading this!...



This is one of the new ENO advertisements now appearing in the National and Provincial Press and in all important magazines. It forms part of a great Summer campaign, which also includes effective outdoor publicity of many kinds. Thousands of people, going on holiday every week, will be anxious to guard against upset systems which may spoil their pleasure. This eye-catching advertisement tells them how ENO'S will help them to enjoy their holiday to the full.

Cash in on this widespread public interest with prominent displays, and stock up now with good supplies of 'holiday Eno's'.

A new Hypotensive Agent HEPVISC

FOR THE RELIEF OF HYPERTENSION

Based on the use of



Viscum Album and Mannitol Hexanitrate

Supplied in bottles of 50 and 250 Tablets

Retail: 6/10 and 30/8

Inc. Purchase Tax

Also available in bottles of 500 for dispensing only, at 32/-

The ANGLO-FRENCH DRUG CO. L1.



Back again MACLEANS Shaving Cream

NOW AVAILABLE ONCE MORE

in tubes

Both chemist and customer welcome back the tube pack of Macleans Shaving Cream. Retail Price 1s. 6d. including purchase tax.

PRICE PER DOZEN							
STANDARD TRADE PRICE	INTERMEDIATE TERMS	BEST TERMS	PURCHASE TAX				
10′10d.	10′3d.	9′6d.	3′7⅓d.				

Orders for Macleans Shaving Cream may be included to make up the value of display parcels as described mour price list.

★ Macleans Shaving Cream is still available in cartoned jars which retail at 1s 6d

Attractive show material available on request. It pays to make a good display of Macleans Shaving Cream and to link up with the national advertising of this excellent repeat-sale product, popular for its really remarkable quick lather.

EANS LTD., GREAT WEST RD., BRENTFORD, MIDDX.

SHAVIM CREAT

Phone: Ealing 6616. Wires: Macleans, Erentford

ASPIRIN THERAPY BROUGHT TO PERFECTION





MAGSILAT

- Quicker absorption mo effective action.
- No gastric disturbance.
- Fully protected again: deterioration.
- Palatable-can be eaten.

NO WATER REQUIRE

MAGSILATE is a CF product, sold through ch u only. Terms are profitable. Attractive showcar oformative literature and free samples supplied th orders.

Supplied in two sizes:—4d. & 1/10d. (inc. P. Tax) and Dispensing Packs of 125 and 500 Tablets, 9/- and 35/- free of P. Tax.



RANCO-BRITISH GLASS CO. LTD

For Ampoules & Vials.

15/17 KING STREET, ST. JAMES LONDON, S.W.I Telephone - ABBEY 41

MILLAMALT

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 1.U., D400)
Leyland Mills, Wigan. London Dept. 19 Brookside Rd. N (1.U. PER FL. OZ.)



Malt Extract wit added Natural Vitan

Est. 189

MEDICATED SOAP SULPHAQUA BATH CHARG

EXPORT ENQUIRIES INVITED

Both products may be recommended with confidence.

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100 TABLETS	1/6	12/3 PER DOZ.
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Less 5% Cash in 14 days

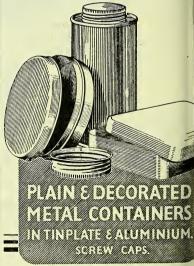
 Vitamin B.1
 2.10 mgms. per os.

 Riboflavin (B.2)
 1.45 mgms. per os.

 Niacin
 9.50 mgms. per os.

Yestamin DAILY YEASI

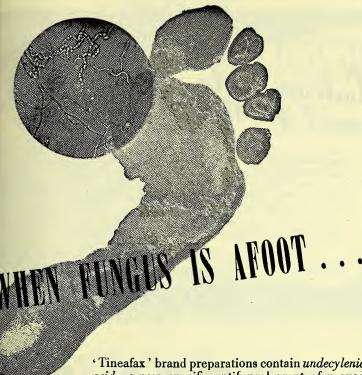
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'Tineafax' brand preparations contain undecylenic acid—a new, specific antifungal agent of proved effectiveness in "athlete's foot" and similar

dermatophytoses.

'Tineafax' brand Ointment is intended for the treatment of established infection; 'Tineafax' brand Powder as an adjunct to the Ointment and for prophylactic use. Both products are clean and pleasant to use, non-staining and free from objectionable odour. The Ointment is issued in collapsible tubes of 1 oz. (approx.); the Powder in tins of 2 oz. Separate display outers available.

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Ea h product retails at 2s 6d. plus 72d. Purchase Tax



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PENICILLIN

CHEMIST AND DRUGGIST

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AUGUST 13, 1949

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NEWS OF THE WEEK

ongress of Biochemistry. — The first in national Congress of Biochemistry will be eld in Cambridge during August 19-25.

bliomyelitis. — Notifications of poliomitis in England and Wales for the ended July 30 totalled 147, compil with ninety-six for the previous and 112 in the week ended July 16.

ngerous Drugs Branch Appointments.

ne following appointments have been in the Dangerous Drugs Branch Instorate: Mr. A. L. Dyke, Deputy Chief Instoric Mr. R. P. McBride, Secretary to Poisons Board; and Mr. C. G. Jeffer Inspector.

harmaceutical Labour Turnover.—

Ministry of Labour has published maceutical labour turnover rates (per employees) for the period of five weeks d April 30. For male workers the ber of engagements was 2.1 and the ber of discharges, 2.6, whereas female eloyees had 4.6 engagements against discharges. The totals for both sexes with engagements, 3.6; discharges, 3.5.

Pest Control Association.—The following officers of the Industrial Pest Control Association have been appointed for 1949: President, Dr. F. P. Coyne (Imperial Chemical Industries, Ltd.); Vice-president, Mr. R. P. Merritt (Stafford Allen & Sons, Ltd.); Treasurer Mr. C. Stuart Kregor (W. Edmonds & Co., Ltd.); Secretary, Mr. W. A. Williams, M.B.E., 166 Piccadilly, London, W1.

Veterinary Surgeons Act Exemptions.—Under an order (S.I., 1949, No. 1410) which came into force on July 30, the following procedures are exempted from the Veterinary Surgeons Act, 1948, requirement that veterinary surgery may not be practised by persons not registered according to the provisions of the Act:—I. The testing of bacillary white diarrhea in birds by rapid (or slide) test. 2. Treatment of an animal by physiotherapy, under the direction of a person on the Register of Veterinary Surgeons or the Supplementary Veterinary Register, who has examined the animal and prescribed that treatment.

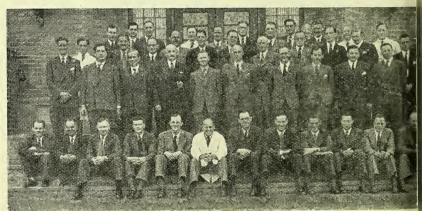
Commercial Travellers' Schools.—The board of management of the Royal Commercial Travellers' Schools invites applications from commercial travellers for the admission, on a contributory basis, of a limited number of children between the ages of five and fourteen years (boarding or day). Application should be made in writing to Mr. A. H. Carpenter, secretary of the Schools, St. Ermins, Caxton Street, London, S.W.I.

Licences Not Required.—The Ministry of Food has revoked the Manufactured and Prepacked Foods (Control) Order, 1942, from August 7. Licences will not now be required for the manufacture and/or prepacking of a number of foods which include: Extract of malt, proprietary food beverages, rennet, baking powder, carrageen moss, essences, extracts (meat, yeast and vegetable), gelatin and gelatin products, herbs and roots, infant and invalid foods, isinglass, jellies (invalid and table), junket mixtures, malt extract tablets, maté tea, preservatives, soup powders, spices, vinegars. The Ministry will ensure that the present standards prescribed for table jellies will be maintained by means of a new Order.

Sweet Rationing.—On August 14, diabetic patients will still be able to obtain, without surrendering personal points, glucose tablets. Chemists are reminded that these tablets are prepared specially for medicinal use and that they should be reserved for customers whom they know to be diabetics. Patients will not be able

to have glucose barley sugar order them on E.C.10s. A doctor may, wishes, give a patient an "approved ther" (not being an E.C.10) which may be to a chemist only, and the barley obtained on payment by the patie

Conference Session Changes. - The British Pharmaceutical Conference : no session originally arranged to take ace on the afternoon of Thursday, Sep be 15, will instead be held on the mains 15, will instead be held on the mine of that day. The alteration has beer ad to allow all visitors to the Confere attend the Branch Representatives eating, which is to be held in the aft of that day, if they so desire. The pentitled "Sodium and Calcium G phosphates," by J. S. Toal and J. I hillips will be taken on Friday after September 16, and the paper by Wylie and J. P. Todd entitled "A Examination of Pyrogen from Vous Sources" will be transferred to the limit of th Sources" will be transferred to the un day morning programme. The Conf no secretaries state that there are still few double rooms available at the Headquiten Hotel. The whole accommodation the hotel is being reserved for Conference is tors until August 20. All who w to take advantage of this arrangement ult make their reservations at once. A lical tions for tickets to attend the Conference should be addressed to the treasure Vir F. J. Carter, 27 Red Bank Road, Bis am Blackpool. Books of tickets, from M day to Friday inclusive, are £5 5s. Day lets £2 2s. each.



REPRESENTATIVES' CONFERENCE.—Group photographed at the half-yearly conference of representatives of Ciba Laboratories, Ltd., Horsham, Sussex, July 12-15.

LOCAL NEWS

elfast Penicillin Licences.—Licences up the Therapeutic Substances Act for dinsing penicillin injections have been ed to Davidson & Hardy, Ltd., 20 e Place, Belfast, and Mr. J. McGregg 30 Botanic Avenue, Belfast.

heft from Till.—While the shop of control of the co

Sunday Service.—Complaints were at a recent meeting of the Yorkshire (E Riding) Executive Council that difficults were being experienced in having riptions dispensed on Sundays and the agent of the clerk explicated that rotas were adopted in various of the county where requests for the had been made. No demand had received from the areas referred to. The council was effected to seek the best means of providing the services required.

emists' Golf Results.—The annual continuous cettion organised by the Manchester lists' Golfing Society for the Woolley to y and replica was played at Mere Goldub on July 6. Following the custor of the Society, the occasion was les day." Members and their ladies the guests of James Woolley, Sons L. Ltd. The results were: Winner, M. A. D. Macdonald; second, Mr. F. Dr.; runner-up, Mr. Ian McIntosh. Le ladies' putting competition prizes won by Mesdames Taylor and J. W. D. Mrs. G. S. Woolley presented the to the winning players after dinary and the winning players after dinary for the winning players after dinary frize, Mr. J. B. Grosset (20), Club prizes, No. 1 section, Messrs. McCaig (1), 81, and D. Walker (9), No. 2 section, Messrs. H. F. Johnston (15), 81, and J. J. Ferguson (18), Scratch prize, Mr. J. B. McCaig, The medal competition of the Lonchemists' Golfing Society for the Burcup was held at Brookman's Park Goldub on July 28, the winner being L. J. Morson (11), 74. Mr. C. H. (6), 2 down after a tie, was the rofa bogey competition on the day for the Leichner cup.

OVERSEAS NEWS

Shareholders' Interests in I.G. Farben.—A committee to safeguard German and foreign shareholders' interests in I.G. Farben Chemical Trust has been formed in Western Germany.

Dutch Quinidine for U.S.—The first shipload of quinidine sulphate, one-fourth of the \$278,000 worth of the drug which the United States is buying from the Netherlands under provisions of the Marshall Plan, arrived recently in New York, two months ahead of schedule. Some 200 tons of cinchona bark from Indonesia will be used to complete the job.

Proposed International Standards for Shellac.—Delegates from various countries are to meet in Paris to consider proposals for an international standard for shellac. The Indian Standards Institution has already circulated draft proposals and it is understood that further discussions are to take place in India later in the year.

Trade with Japan.—The sterling area "cannot afford one single dollar in Japan on any terms whatsoever," according to Mr. Alan Gilbert, Board of Trade representative in Tokyo. In 1948 the United Kingdom exported goods to the value of \$90 millions (£22.5 millions) to Japan, compared with imports from Japan valued at \$150 millions.

Indian Drug Research Institute. — A new Central Drug Research Institute has been established at Lucknow, India, to promote research on the utilisation and development of India's drug resources, to arrange for clinical trials of the drugs, and to disseminate knowledge about them. The Institute will include divisions for chemistry, pharmacology, biochemistry, microbiology, clinical science, pharmaceutical botany, a library, and a workshop for making special apparatus, and pilot plants.

D.D. Regulations Eased in U.S.—A government order has been issued in the United States relieving manufacturers and wholesale dealers of the obligation of submitting an inventory of their stocks of dangerous drugs to the U.S. Bureau of Narcotics twice a year, as in the past. In future an annual report of stocks will be required on December 31 each year. Retailers, doctors and laboratories are still required to send in two reports each year to the Bureau.

NEW COMPANIES

E. B. Johnson, Ltd. (P.C.)—Capital £1,000. To carry on the business of chemists, etc. Ernest B. Johnson, M.P.S., and Irene L. Johnson, directors. R.O.: 63 Kingston Road, Portsmouth.

JOHN CLEGG (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists and druggists, opticians, etc. John Clegg, M.P.S., and Nora B. Clegg, directors. R.O.: Bordon Pharmacy, High Street, Bordon, Hants.

Company News

WHIFFEN & SONS, LTD.—Mr. Leslie H. Butts has been appointed a director.

GLAXO LABORATORIES, LTD.—Mr. F. J. Wilkins, M.Sc., Ph.D., has been appointed an executive director in charge of the company's factories at Barnard Castle and Ulverston.

Amber Pharmaceuticals, Ltd. — Mr. J. Russell, M.C., M.P.S. (chairman), and Messrs. A. W. Edwards, M.P.S., W. Hassel, C. W. Picard, M.Sc., and A. B. K. Craighead, C.A., have been appointed to the board.

MITCHELL COTTS & Co., Ltd.—Applications have been received for 1,777,814 ordinary shares in response to the offer to shareholders (see C. & D., July 23, p. 102) of 1,066,490 shares. The offer of 250,000 $4\frac{1}{2}$ per cent. cumulative redeemable £1 preference shares, at 21s. per share, has been fully subscribed.

British Glues & Chemicals, Ltd.—Profit for the year ended April 30 amounted to £106,418, after taxation, against £113,606. A second interim ordinary dividend of 20 per cent. maintains the dividend for the year at 25 per cent. The sum of £39,551 is carried forward, compared with £41,812 in the previous year.

Monsanto CHEMICALS (Australia), Ltd.—Formerly known Monsanto as (Australia) Pty. Ltd., this Monsanto Australian associate was converted to a public company at a recent meeting of shareholders held in London, when application was made to change the name. Monsanto Chemicals, Ltd., London, holds the majority of the ordinary stock of this Australian company, and Monsanto Chemical Co., St. Louis, also participates. It has technical liaison contacts with both the British and American companies. Dr. James H. Lum is managing director.

BOOTS CHAIRMAN'S SPEEK

At the annual general meeting on A 1st 9 of Boots Pure Drug Co., Ltd., RD TRENT, chairman, said that the past at had been a record for sales by the npany, both at home and abroad; it ad also been a record year for profits fo he group (see C. & D., July 23, p. 103) xport business had increased by over 5 er cent, over the previous year. Sales on chemicals and drugs represented nea half of the company's export total; e :a specialities amounted to just over a d the remaining sixth being pharmace al preparations, toilet requisites, and hor iltural and veterinary products. The uguration of the National Health Servic ad led to an increase in dispensing and i he demand for drugs, and staff in the had to be taken off other important rk in order to keep the dispensing going n outcome of N.H.S. was a debt of Ministry of Health to the company at least £600,000. If an epidemic had on encountered during the first year o he operation of the Service the shorta of pharmacists would have made it imposle to handle any abnormal demand for li cal requirements. It was clear that 1 38 there was an increased intake of mer nd women into the ranks of pharmacists re would be a serious risk of a national the down on the dispensing side. In the ir cumstances the action of the Pharm utical Society in tightening up its recements seemed inopportune. While the pany appreciated the Council of the maceutical Society's wish to maint: 12 high standard of pharmacy, this was he wrong moment for any action to be 21 that made entry into pharmacy more fi-The Society's proposals tende to cult. bring about a shortage of apprentices a time when efforts should be made (ncrease the number of qualified persor

During the year the company to opened twenty-nine new shops, an at March 31 there were 1,261 open to openers. Priority has been given to enlar and increasing the facilities in dispenses.

The company had spent £1,564,6 in capital expenditure during the year, m is on factories and warehouses. Unimately, the benefit of new production lities had been largely offset by the disoration in the staff position at Be more works, which employed 900 girls less in 1942. The serious lack of labour affecting both home and export sales

TOPICAL REFLECTIONS

Vys on Education

otwithstanding restrictions on supplies aper, you gave us on August 6, in a tion to a summary of educational regements in pharmacy, a symposium of a les by experts. (In passing it may be n'd that pharmacists on the other side o le Irish Sea have problems similar to il : of their colleagues in Great Britain). Il a few paragraphs (pp. 187-88) Dr. K neth C. Capper has packed some helpft bservations. His view that colleges accept "the major responsibility for the practical and the academic trainir of entrants into pharmacy" may startle sc of the older generation, trained on a fferent system; but your illustration oi . 182 throws light on the position. I at with the writer that "it would be a m ke to make graduation the only m is of qualifying until the Universities hi shown that they can turn out enough pointed of the right type to man the pilssion." Whether a degree ever becc s in this country the sole means of retration or not, the factor of temperam will have to be reckoned with. Some gruates will choose a scientific career; ot s will naturally seek the rewards and he ds of business life. On the question of quified and unqualified assistance in disng Dr. Capper expresses concisely an of on in accordance with that set forth te thy in this section. "Already," he w s, "a great deal of unqualified labour is d for dispensing. It might be better position of such labour were regular-

A stinctive Type Suggested

e chief point of Mr. Henry B. ie's article (p. 186-87) is, according to my reading, that British pharmacy of develop into a distinctive type. The was worth making. Clearly, pharm in this country must not be allowed apse into chronic backwardness in arison with pharmacy in countries of ar outlook and culture. On the other is, it should never become a pale imitatic of the pharmacy of some other country. The training of students is intended, Ir. Mackie points out, primarily to use "general practitioners" in pharms, but it also forms the basis for alists. In the nature of things we cannot ll be specialists: it follows, I suggest, the if the proportion of specialists in a

profession becomes too high, that profession will suffer. The aim of the Pharmaceutical Society and of the colleges training students for pharmaceutical careers must accordingly be to obtain pharmacists who are "well-educated and capable of adapting themselves to the changing times." Discussing the benefits of the recent educational changes, your contributor claims that pharmacy will be in a better position "in relation to the other professions and to the Ministry of Health." He adds: "The whole status of pharmacy will be raised in the eyes of the public." But will it? I propose to examine this statement from another point of view.

Pharmacy not Appreciated

The illustration on p. 179 of part of the dispensary of Mr. E. Ratcliffe at Wembley raises, by inference, the question of how improvements in the service offered in a pharmacy can be announced to the public. We know what has happened to the advertising of dispensing. Ignorance concerning pharmacy has again impressed me in reading Mr. Douglas Goldring's "biographical sketch" of Ford Madox Ford Into the narrative come the Martindales of New Cavendish Street, W.I. While telling us more, I think, about the members of this family than most pharmacists now living ever knew, the author names the head of the household (possibly by confusing him with his son)
"Dr." William Martindale. We read that he "was the foremost analytical chemist of his day, the friend and fellow-worker of Lord Lister and famous as the author of the Extra Pharmacopæia, a reference book which every doctor consulted." No reference is made either to his having been a president of the Pharmaceutical Society and of the British Pharmaceutical Conference, or to his ownership of one of the leading West End pharmacies. There was a period in the nineteenth century when association with retail business was regarded in "society" as a solecism if not a crime. I do not for a moment suggest that the enlightened author of the book mentioned is afflicted with that prejudice. But if in so well documented a narrative pharmacy is ignored, what can be expected of the man and woman in the street? The question at the beginning of this paragraph is not easy to answer. Yet enterprise merits open recognition. Xrayser

MARRIAGES

MALCOLM—BLAKE.—At Paisley, on July 30, Robert Malcolm, M.P.S., 2 Cockrane Street, Barrhead, Renfrews, to Janet Deans Blake, M.P.S., Camphill House, Paisley.

Taylor—Colhoun. — At Ebrington, Londonderry, on June 14, William James Taylor, M.P.S.N.I., Londonderry, to Rosalind Elizabeth Colhoun, Londonderry.

WALKER—MACAULAY.—At Aberdeen, on July 23, Douglas Ewen Walker, M.B., Ch.B., D.P.H., son of the late Mr. James Walker, M.P.S., Ellon, Aberdeens, to Anne Moira Macaulay, Ormlie, Ellon.

DEATHS

Duckworth.—On August 2 at his home at Knutsford, Ches, Mr. William Duckworth, aged eighty-seven. Mr. Duckworth qualified as a chemist in 1884 after an apprenticeship in Blackburn. The following year he started in business on his own account in Manchester, making essences and flavouring preparations. He was a director of Duckworth & Co., (Essences), Ltd., Manchester.

EDWARDS—On July 28, Mr. James McConnochie Edwards, M.P.S., 311 Fulham Palace Road, London, S.W.6, aged seventy-three. Mr. Edwards qualified in 1904, and had been in business for over forty years. He leaves two sons and a daughter.

Fraser.—Suddenly, on July 27 at his home, Ardlaw, Hythe, Kent, Mr. David John Fraser, M.P.S., aged fifty-four. Mr. Fraser was in business at 35 High Street, Hythe. He qualified in 1920.

HALKET. — Recently, in his shop in Bridge Street, Ballater, following a heart attack, Mr. James Halket, M.P.S. Mr. Halket had been in business as a chemist and dentist for forty-one years. He was an expert violinist.

Killery.—In London, on August 5, Mr. Valentine St. J. Killery, director of Imperial Chemical Industries, Ltd., responsible for overseas affairs of the company. Mr. Killery was taken ill in Australia and returned to this country a few weeks ago.

PORTER.—In hospital at Southgate, Middlesex, on July 10, after a short illness, Mr. Sidney James Porter. Mr. Porter had for many years been with W. Sutton & Co., Druggists' Sundries (London), Ltd., Enfield, Middlesex.

LITHERLAND.—On July 30, Mr. Willi Heald Litherland, M.P.S., 30 Devonsl Road, Sutton, Surrey, aged eighty. 1 Litherland qualified in 1896.

Redford.—On July 6, Mr. Bern Redford, M.P.S., 9 Progress Buildin Cheetham Hill, Manchester, aged six seven. Mr. Redford qualified in 1915.

SHILLITOE.—Recently, Mr. Harry Ard bald Shillitoe, M.P.S., 58-59 Piazza Chabers, Covent Garden, London, W.C.2. 1 Shillitoe qualified in 1899.

SKIPSEY.—On July 20, Mr. Art Campbell Skipsey, M.P.S., 5 Ethel Trace, South Shields, Durham. Mr. Skip qualified in 1914.

Wood.—On July 9, Mr. Willi Howard Wood, M.P.S., 11 Cameron Ro West Croydon, Surrey. Mr. Wood qu fied in 1918.

WYLDE.—At Churchwood, Fittlewon Sussex, on July 30, Mr. Cecil Rich Wylde (governing director of Thor Keating, Ltd., Billingshurst, Sussex), a seventy-two.

MALCOLM.—Mrs. Malcolm and fan and the directors of Britton, Malcolm Co., Ltd., wish to thank their many frie for their kind letters of sympathy in loss of Mr. George Malcolm, founder the company (C. & D., July 30, p. 15

WILLS

MR. L. TURNER, M.P.S., 321 Glos Road, Sheffield, left £3,783 (£3,535 n

MR. E. BLACKLEDGE, M.P.S., 3 W garth Drive, and Steeley Lane, Chorl Lancs, left £9,629 (£9,306 net).

Mr. J. C. W. Price, M.P.S., 157 B stead Road, Carshalton, Surrey, £7,916 (£5,745 net).

MR. ADAM ANDERSON, M.P.S., 68 E ton Avenue, Watford, left £2,639 (£1,5 net).

MR. S. H. VIBERT, M.P.S., 3 Grimsto Villas, Mutley, Plymouth, Devon, 1 £4,766 (£4,714 net).

Miss I. M. Dale, M.P.S., 18 Mari Court, Tooting, London, S.W.17, 1 £1,546 (£1,487 net).

MISS M. McNaught, M.P.S., 132 D chester Avenue, Glasgow, and 41A B leigh Street, Govan, left personal estate England and Scotland valued at £1,6

PERSONALITIES

IR. F. W. SHEPHERD (chairman) and J. SPAANDERMAN (secretary) of the tingham County and City Pharmaceul Committee have been reappointed to Ophthalmic Services Committee of the tingham County and City Executive Incil; Mr. J. Spaanderman has also appointed to the finance and general poses committee of the Council. rected note].

IR. L. H. MOPPETT, M.P.S., who has appointed chairman of the East



Metropolitan Branch of the Pharmaceutical Society, and of the Walthamstow Branch of the National Pharmaceutical Union, has been in business in Wood Street, Walthamstow, London, for three E.17, After years. apprenticeship with Mr. W. Gray, Walthamstow, Mr. Moppett qualified

n the School of Pharmacy, University London, in 1937. During the war he ed in the Royal Navy as a sick-berth y-officer, and was for three years on 1.H.S. Tjitjalengka. He is a past secry of the Junior Section of the Phar-

eutical Society Branch.

IR. R. CAMPBELL FEATHER, M.A., B.Sc., naging director of Meggeson & Co., ., has been elected a Fellow of the ral Institute of Chemistry.

IR. E. PETER BUTLER (managing direc-Francis F. Fox & Co., Ltd., manuuring chemists and drysalters, Bristol, director of Wm. Butler & Co. (Bris-Ltd.), has been elected president of Bristol Chamber of Commerce.

AR. RICHARD F. TIMONEY, M.P.S.N.I. ofessor of pharmacy to the Pharmaceul Society of Ireland) took his degree B.Sc. at University College, Dublin, ently, with distinction. Mr. Timoney ared first place and passed with hons. He is to continue at the College take an honours chemistry course lead-to M.Sc.

Mr. Philip Le Quesne, M.P.S., Halkett ce, St. Helier, Jersey, is seriously ill

with pleurisy following a slight sunstroke contracted during a recent heat wave. Mr. Le Quesne is a senator of the Island "States," or parliament, and holds many other important positions of voluntary service on the Island.

Mr. Colin Melville, Ph.D., B.Pharm. (London), Ph.C., the newly-elected chairman of the Manchester Pharmaceutical Association (Junior Section), is lecturer in pharmacy at the University of Manchester. His main subjects are pharmacognosy and forensic pharmacy. Apprenticed with Mr. D. Thomas, Cardiff, in 1931, Dr. Melville took his Ph.C. and B.Pharm. in 1936 after study at the Welsh College of Pharmacy, Cardiff. After a period as demonstrator and research assistant at the College he was appointed an assistant pharmacist at the Cardiff Royal Infirmary in 1937, and the following year lecturer in pharmacognosy and forensic pharmacy at the School of Pharmacy, Leicester. He was appointed to his present position in 1944. While in Leicester he served on the Committee of the local Branch of the Pharmaceutical Society and was a committee member and lecturer of a local herb collection scheme organised during the war years. Dr. Melville has always taken an interest in student societies and is now president and committee chairman of the Manchester University Pharmacy Society. author of a number of papers on pharmacognosy, he is to read a paper on the isolation and identification of beetle fragments from powdered drugs at the forthcoming British Pharmaceutical Conference. Dr. Melville takes a keen interest in photography.

BUSINESS CHANGES

The telephone number of the London Office of the wholesale and export sales department, Boots Pure Drug Co., Ltd., 71 Fleet Street, London, E.C.4, has been changed to Central 0111.

THE POTTERIES TOILET Co., LTD. Stoke-on-Trent, have opened a branch warehouse and showrooms at 265 Dickson Road, Blackpool (Telephone: Blackpool 24429).

THE KIDDERMINSTER INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., have acquired the premises at 45 High Street, Stourporton-Severn, with a view to opening a pharmacy.

TRADE NOTES

New Terms Announced.—In this issue Sharp & Dohme, Ltd., Hoddesdon, Herts, give details of new terms for their Sucrets antiseptic throat lozenges.

Summer Bonus.—Dae Health Laboratories, Ltd., 17 Berners Street, London, W.I, give details in this issue of their summer bonus offer on Veet hair-removing cream.

Own Formula Packs. — H. O. Lloyd (Cheltenham), Ltd., Suffolk Parade, Cheltenham, invite inquiries for manufacturing, packing and despatching own formula products.

Vitamin B₁ Tablets.—Roche Products, Ltd., Welwyn Garden City, Herts, announce the introduction of Beneron, their 50 mg. vitamin B₁ tablets, packed in bottles of 25, 100 and 500.

Change of Source of Supply. — Amber Pharmaceuticals, Ltd., 7-9 St. James Street, London, S.W.1, notify that all products formerly supplied by T. H. Walton & Co., Ltd., Batley, Yorks, will in future be manufactured and marketed by them.

Tax-free Dispensing Packs. — Stephen Matthews & Co., Ltd., 19-21 Farringdon Street, London, E.C.4, announce the introduction of a dispensing pack size for Curicones. Trade terms are given in this issue.

Sales Celebration. — Members of the staff of The British Disinfectant Co., Ltd., Tottenham, London, N.17, makers of "3 Hands" and Sprim, at the company's prizegiving luncheon to salesmen held in London recently. The group (from left to right) includes Messrs. J. Benson, J. Sten-



lake (production manager), E. E. Welch, J. Grundy, D. W. Isaac (company secretary), L. T. Edwards (managing director), Nevin D. Hirst, B. Bennett, H. Walker, F. S. West, and J. Strawson (assistant sales manager).

New Infants' Food. — In their in nouncement in this week's issue Is Robinson & Co., Ltd., Carrow Wes, Norwich, give details and trade term of their product Robrex, a three-fold wing cereal, pre-cooked, ready to serv

Showroom Enlarged.—Opened y three months ago, the green-and-cin showroom of Barclay & Sons, Ltd., cclay House, 95 Farringdon Street,



don, E.C.4, has already had to be enland to meet the needs of the company's ray customers who have made it their poof call in London.

Supplies of Basic Pharmaceutica Monsanto Chemicals, Ltd., Vic la Station House, London, S.W.1, in advertisement list a range of basic oducts, pharmaceuticals and disinfect produced at their Ruabon works.

Acid Hypophosphorous Specification Thomas Tyrer & Co., Ltd., Strat London, E.15, give technical detail number announcement in this week's issuffitheir Sterling brand acid hypophosphous.

Sub-Reactional Vaccine.—Evans Mical Supplies, Ltd., Speke, Liverpool have recently added to their list a value based on a formula devised and used a Liverpool hospital. The vaccine is sup d in bottles of 10 mil and is used for treatment of bronchial asthma.

A Visitor from South Africa. — I. J. F. Botha, Hoëveld, Tulbagh, Cape vince, with Mrs. Botha, has arrive a London for a two months' visit. Mr. I awould welcome inquiries from manturers of pharmaceuticals, cosmetics toilet preparations, desiring represent in South Africa. Communications of be addressed c/o South Africa House, falgar Square, London, W.C.

forth-East Wholesalers. — Middleton Co., Ltd., Boundary Road, Middlesagh, invite inquiries for drugs and maceuticals from chemists in the th-east area, where, they state, they in a position to provide speedy deries.

hange of Title.—Burroughs Wellcome lo., 183 Euston Road, London, N.W.3, punce that Tabloid brand Empirin pound with codeine will in future be dounder the name Codempringhts of the four active constituents are langed, but, in order to facilitate adistration, the products themselves have reduced in weight from gr. 10.1 to 7.6. Prices are unaltered. A bonus of the doz. is offered on orders of e doz. or over.

lexible Container and Display.—
posed of polythene, the Flex-puff
le for Atkinson's English lavender talpowder illustrated below was designed



a produced by Cascelloid, Ltd., II thampton Row, London, W.C.I (as idiary of the British Xylonite Co., I, holders of Plax patents in this try). The display was designed and luced by K. G. McQueen & Partners, I, designers, 134 Notting Hill Gate, I don, W.II.

Rubber Industry Directory.—A Director of British Rubber Manufacturers and ducts has been issued by the Federator of British Rubber Manufacturers' Poliations, 43 Bedford Square, London,

W.C.I. This comprehensive work will be of value to overseas users and importers of tyres, hose, belting and rubber, ebonite or gutta percha products in their myriad forms. The indices of trade-marks, manufacturers and the goods they make, are informative and conveniently arranged, essential details being printed in English, French and Spanish. Tyres and rubber products for every industry and transport are made in 250 factories in Great Britain who consume 200,000 tons of raw rubber annually and employ directly some 90,000 operatives.

The Proprietary Articles Trade Association

Additions to Protected List (Part 1).

—Multipax Chemicals Ltd. Adrenopax Cream, 2 oz., 36s. doz., exempt tax, retail price, 4s. Ditto (dispensing), 16 oz., 18s. each, exempt tax, retail price, 25s. Norhaem (for anæmia), 50 tablets, 45s. doz., tax 33\frac{1}{3}per cent., i.r.p. 6s. 3d.

doz., tax 33\frac{1}{3} per cent., i.r.p. 6s. 3d.

Alterations to List (Part 1). — The British Drug Houses Ltd. Reduced prices
—August 2. Radiostoleum liquid, 25 ml., 33s. 6d. doz., exempt tax, retail price, 4s.
Ditto capsules, tin of 50, 32s. doz., exempt tax, retail price 4s. Alfred Fennings. (Agents: John Sanger & Sons).
Prices in Eire, Fennings' Fever Mixture, 18s. doz. Retail price, 2s. Forsters (Pharmaceuticals) Ltd. Acorza liquidum, 23 ccs., 63s. doz., exempt purchase tax, retail price, 7s. 6d. Bonus of 13 to the dozen. 3 dozen, 14 to the dozen.

FIFTY YEARS AGO Examination Finance

(From the C. & D., August 5, 1899)
There was but a poor attendance of councillors at Wednesday's meeting, and the proceedings dragged somewhat. Mr. Atkins, as one of the delegates of the Society to the British Pharmaceutical Conference, reported that they had been well received and hospitably entertained at Plymouth. The President, when speaking of finance, said he looked to the profit on the examinations to place the Society in a better financial position than it had occupied for the past few years . . The Board of Examiners reported that there were thirty-two candidates for the Major examination, held in London in July. Of these, seventeen passed. Of the 449 candidates for the Minor, 132 passed.

C. & D. DISPENSING PRICE LIST

THE following price changes occurred during July. The drug index was 174.8.

				Dis	pensi	ng	_	
Cost		Item	price					
		10111	4	oz.	ı oz.	ı d	r.	
d.	per		s.	d.	s. d.	s. 0	-	
132	dr.	Æthylmorphin.						
		hydrochlor. S.1.D.D	o	5½	per	gra	in	
51	oz.	Arseni triiodid		0 2	Per			
48	oz.	S.1. P.1.(4) Carbromalum	_				3	
138	dr.	Codeina D.D	0	$5\frac{1}{2}$	per	gra		
114	1 1	Jodeinæ phos-		32	Por	8		
,		phas D.D	0	$4\frac{1}{2}$	per	gra	in	
132	dr.	Diamorphinæ						
		hydrochlor.		- 1		}		
60	lb	D.D	0	$5\frac{1}{2}$	per	gra	.ın	
69	10	Elix. æthylmor-						
		phin. et terpin. B.P.C. P.1.(13)	2	10	0 10	0	1 1/2	
72	lb	Elix. diamorph.	Ì				-	
•	1	et pini co.						
		D.D	3	0	0 10	0	$I^{\frac{1}{2}}$	
96	lb	Elix. diamorph.						
		et terpin. c.				Y.		
		apomorph.	4	o	I I	o	2	
120	lb	S.1. (5) Emulsio menth.	T				_	
		pip	4	3	I 2	0	2	
240	lb	Ext. ergot. liq.		c			1	
	lb.	S.1.(5)	8	6	2 6	0	$4\frac{1}{2}$	
276	ID.	mire, or gove may.	10	0	2 11	o	5	
138	dr.	'14. S.1.(5) Morphina pur.	1.0	Ü	2 11	0	3	
130		D.D	0	$5\frac{1}{2}$	per	gra	iin	
114	dr.	Morphinæ			_	-		
		hydrochloridum		. 1				
0	da	D.D	0	$4^{\frac{1}{2}}$	per	gra	un	
138	ar.	Morphinæ tartras	0	$5\frac{1}{2}$	per	gra	in	
30	1Ь.	Ol. lini. opt	ī	2	0 4	-	-	
39		Phenazonum		-	1		0	
36	lb.	Potassii perman-						
		ganas	I	4	0 5	0	I	
114	lb.		١.	I	, ,		0	
18	oz.	camph. N.F	4	1	I I	0	2	
10	UZ.	Ung. capsici co. P.1.(19)	١.		2 8	0	5	
54	lb	Ung. emulsificans	2	0	0 7		J	
36								
0.0	,,	aquos	I	4	0 5	0	I	
186	lb.		6	-	1 11		0.1	
87	lb	salicyl. co Ung methyl.	0	7	1 11	0	$3\frac{1}{2}$	
0 /	10.	salicyl co. dil.	3	2	0 11	0	2	

LEGAL REPORT

No Holiday Locum.-At South Vt. ern (London) Magistrates' Court on y 28, Noel Cyril Leyvraz 357 Wandsw h Road, S.W.8, was summoned by the Franceutical Society for selling Pai I poisons in dispensed medicines and n Adult Nerve Tonic Syrup and Veg n tablets not under the supervision (a registered pharmacist. Mr. R. E. Sei 1. for the defendant, pleaded guilty. r. Castle prosecuting for the Society, d that under the statute, if a chemist ly means of an employee or agent, so a Part I poison and he, or another qual d chemist, was not on the premises, he d committed an offence. The defend 's premises were visited on May 16 bin inspector appointed under the Act. le inspector had reason to believe that e Section was not being complied with d purchased from an unqualified assi it in the shop a bottle of Adult Nerve T : containing a small quanitiy of strychie and nux vomica and also some Veg n tablets, which contained codeine. The 1spector then had a conversation with e defendant's brother, who was not a 1 stered pharmacist and came to the clusion that there was no qualified chest on the premises, as the defendant abroad on holiday. The inspector n made an inspection of the records of e shop, including the poisons register, d after looking at this and prescript s. noticed that a number had been disped that day and the previous day during e time that there was no qualified chest on the premises. The defendant later v e to the Society, saying he had been ab d on holiday and had been unable to tain a locum while he was away. Castle said that many chemists were f with a similar difficulty in the sum

Mr. Seaton said his client had ara for a locum to come in, but after he gone away he got a message from brother to say the locum had not tu up. After making several suggestions where a locum might be got defent told his brother that if these failed would be prepared to return from his day and carry on himself. In the int these medicines were dispensed. He structed his brother that no further powere to be sold until he had got a local structed his brother that no further powere to be sold until he had got a local structed his brother that no further powere to be sold until he had got a local structed his brother that no further powere to be sold until he had got a local structed his brother that no further powere to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power to be sold until he had got a local structed his brother that no further power that no further power that the sum of the sum

On the first summons the magis fined the defendant £5 with £3 3s. c and on each of the other summonses

PHARMACEUTICAL UNION NATIONAL

TINGS of the Executive of the National maceutical Union and of directors of Chemists' Defence Association, Ltd., held in London on Wednesday, July Mr. J. Hearle in the chair. At this n ing arrangements were made for the Nu. branch representatives' conference to be held in London on Wednesday, Cober 26, and for the banquet in honour Ir. G. A. Mallinson, O.B.E., which is llow the conference.

C ference Resolutions

should be noted that the last date which resolutions can be received for is is in the conference agenda is Mondo September 26. Such resolutions can re e to any activity of the N.P.U., inc. ing N.H.S. matters, the C.F. movement a N.P.U. business services generally. ne secretary, in his monthly report, red to the following matters: (a) I. Standards for air rings, and for rubb tubing for surgical purposes.—It was a ed that the specification of standards stitted be approved. (b) "Fathers' " - A letter was received from the Nonal Association of Outfitters asking if a oposal regarding the organisation of a thers' Day" in this country on lines si ar to that adopted in the United Ses of America was one which would o nend itself to the N.P.U. It was rest d that no action be taken. (c) Glysupplies. — The secretary reported following representations to the Mistry of Health, an increased allocation of ycerin for pharmaceutical purposes had authorised and that the Association British Pharmaceutical Industry had ci larised its members, following repre-sentions made by the N.P.U., drawing a ntion to the fact that chemists needed it eased supplies of glycerin, as such, and remmending that the additional supplies lable to drug houses should not be used formanufacturing purposes. (d) Blackcurpuree and syrup.—Arrangements had made with the Ministry of Food for tl distribution of blackcurrant puree and

Fale Price Maintenance Committee

e terms.

he Executive Committee received a reupon developments and action on the of The Fair Trading Congress conc ing the recommendations made by

p as in previous years and upon the

the Re-sale Price Maintenance Committee. Reports of meetings of the Accounts Committee; Business Services Committee;

Publications and Price List Committee; Central N.H.S. (Chemists' Contractors) Committee and the C.F. Council were re-

ceived.

The local organisations officer submitted his report upon work undertaken during the past month and arrangements which he had made for several N.P.U. branch meetings to be held during the coming winter session were approved.

International Pharmaceutical Students

A request was received from the British Pharmaceutical Students' Association for a donation towards the expenses that will be incurred in connection with an inaugural conference of the International Pharmaceutical Students' Federation to be held in London during the week commencing August 22, and it was resolved that a token payment be made towards the expenses.

National Health Service Matters

Numerous items affecting chemist contractors under the National Health Service arrangements were considered including pricing check; payment for various classes of items ordered upon prescription; shortage of supplies of certain gauzes and crepe bandages; container allowance; drugs and appliances supplied or administered by doctors; oxygen therapy equipment; trusses and surgical hosiery and health centres.

Out of Hours and Rota Services

It was resolved that Pharmaceutical Committees be asked (a) To review existing rota arrangements in preparation for the coming winter. (b) To acquaint both doctors and patients by means of local publicity of the arrangements in force. (c) To ensure that suitable "rota cards" are dis-played at the business premises of chemist contractors. (d) To publicise "out of hours" dispensing service arrangements.

Of the outstanding claims before the directors of the Chemists' Defence Association, Ltd., two were settled. Four new claims which had arisen since the last meeting were considered. Of these, three were "third party" claims.

Fifty chemists who had applied for membership of the N.P.U. since the last meeting of the Executive Committee were formally elected as members.

NORTHERN RHODESIA ASSOCIATION

PROGRESS has been made during July in getting the Northern Rhodesia Pharmaceutical Association established (C. & D., July 30, p. 139). Meetings were held in Lusaka an July 23 and in Ndola on July 19. Mr. R. J. Francis, Ndola, attended the Lusaka meeting, and explained aims and objects of the Association. It was unanimously decided to support the new organisa-tion. Letters of support have been received from pharmacists in Broken Hill, Livingstone and Fort Jameson. Two branches have been formed, the Southern Branch to include pharmacists in Broken Hill, Lusaka, Livingstone and Fort Jameson, and the Northern Branch to include those resident in the Copperbelt area. The Southern and Northern Branches will meet during the first and third weeks of every month, respectively; this arrangement enables minutes to be exchanged for discussion, Mr. W. E. Foote, P.O. Box 207, Lusaka, has been appointed secretary of the Southern Branch, and Mr. W. S. Rutledge, Broken Hill, has been invited to accept the chairmanship of the Branch. The following office bearers have been appointed by the Northern Branch: Chairman, Mr. T. Little, P.O. Box 166, Ndola; Secretary, Mr. R. J. Francis, P.O. Box 6, Ndola; Committee, Mr. W. Adamson, Kitwe; Mr. W. Tyson, Mufulira; Mr. A. Edmonds, Luanshya.

Agreement has been reached on the con-

ditions of membership and objects, as lows: Membership: All pharmacists of Northern Rhodesia holding the qualitions of the Pharmaceutical Societies Great Britain, Northern Ireland, Eire, Societies having reciprocal arrangems with any of the above-named. Objects. To protect and promote the interests of pharmacists in Northern Rhodesia. (2) maintain close contact with pharmaceus societies and associations in the British and Africa. (3) To assist with giving formation to pharmacists intending emigrate to Northern Rhodesia.

The election of an executive and diing of a constitution has been referred the Branch committees, and it is hel to have the details completed by Sept ber. Messrs. Holdsworth & Co., Bro Hill, have made a generous contributio the funds of the Association, A messag (good wishes has been received from Executive of the Pharmaceutical Soc. of Southern Rhodesia, expressing | opinion that the Association, working 1 parallel lines with the Society in South Rhodesia, will serve the best interest f the profession in Central Africa, When constitution is adopted, the first task of Association will be to approach the Gov ment with proposals for the amendmen the Pharmacy and Poisons Ordinance.

RECENT WORK ON A NEW ANTIBIOTIC

RECENT work by Hirsch and Mattick, at the National Institute for Research in Dairying ("Lancet," July 30, p. 190), has shown that nisin, an antibiotic produced by Streptococcus lactis and already used with success against forms of bovine mastitis, is mainly effective against Gram-positive organisms, and in particular against the tubercle bacillus. When tested in vitro in the medium of Dubos and Davis the substance appeared to have the same activity against the tubercle bacillus, weight for weight, as streptomycin. Streptomycin-resistant cultures were found sensitive to nisin, and vice versa—an important finding, the workers point out, as there seems to be some correlation between the streptomycin resistance of the infecting strain of the tubercle bacillus and the prognosis of the illness. There was no synergism, or even marked additive action in vitro, between nisin and streptomycin or between

nisin and licheniformin. More than additive effect was obtained, howe against *Mycobacterium tuberculosis* winxtures of nisin, streptomycin and lich formin; and nisin licheniformin, and phathiazole.

In vivo experiments using guineaand rabbits showed that crude and rabinis gave considerable protection againfections of tuberculosis. When injection, of the site of injection, produced (probably because insoluble cutaneous pockets were formed), the rations being more severe when the crude preparation was used. Intravenously, intramuscularly, there was rapid about in, with little local reaction, the in venous injection of the drug almost cutaneous injection of the drug almost cut pletely suppressing the development tuberculosis in six animals on which authors made their recorded observations. sts with rabbits showed that the toxici of the compound depends on the route of ministration, the LD 50 intravenously, to example, being 20-33 mgm. per kilo; in muscularly 200 mgm. per kilo; and staneously, greater than 1,000 mgm. per kilo. Crude nisin has been shown to he no effect on leucocytes, though the of vation has to be confirmed for pure parations. Pure nisin was not hæmolytic in the highest concentrations tested under the conditions of tests made in vitro. The aliotic is reported to be soluble to the ext of "at least 5,000 units per mil" of a blood, and of 20,000 units per mil

of mouse blood—concentrations which would ensure effective therapy.

The nisin crystals used in the experiments had been made from concentrates supplied by Benger's, Ltd. The substance has the properties of a polypeptide, or protein of low molecular weight. It is soluble in dilute acids, and the solution is thermostable. Neutral solutions tend to precipitate, and the compound is slowly labile in alkaline solutions. For in vitro tests solutions in N/50 hydrochloric acid were used: for injection the ph of these solutions was raised to 4, with, however, the formation of a "haze."

PUBLIC HEALTH IN 1947-48

I report of the Ministry of Health for th year ending March 31, 1948, recently p ished, shows that although 1947 ined the severest winter for many years, h th statistics for England and Wales rem led excellent and many of the low reads of mortality set up in 1946 were an lowered. New low records were med in diphtheria deaths (barely half of 1946); scarlet fever deaths (only for-two); measles deaths, dysentery notificons, and deaths from diabetes were the for st on record. The combined death for children under fifteen from rheuc fever and heart disease dropped to ly-nine per million, again a record. The winter was probably partly respon-for an increase in deaths of old pole, which led to the crude civilian h rate rising to 12.3 per 1,000 comd with 12.0 in 1946, and for a slight ease in deaths from tuberculosis.

lith the exception of the unexpected emic of poliomyelitis—by far the largrecorded in this country — the epiculological history of 1947 was satisfact. There was very little influenza and the from it numbered 3.310 which, except the for 1945, was the lowest figure recled since 1915. The numbers of corted notifications (78) of, and deaths from, smallpox were, however, the hest for many years. Two importations variola major, one by a soldier direct in India, the other, probably by a sailvia a French port, gave rise to cases thirteen areas.

The 244 deaths at all ages in 1947 from htheria was less than one-tenth of the rage annual number in the ten-year iod 1931-40, and the proportion of chiln aged 5-15 now immunised against the

disease is estimated to be almost 75 per cent.

There were 92,662 corrected notifications of whooping cough and 905 deaths, giving a fatality rate of 0.98 per cent. This disease is now more fatal than measles, largely because its age distribution is lower, for it is a frequent cause of death in infants under one year and is often followed by chronic chest disease in those children it does not kill. The search for a reliable prophylactic against it continued, for whooping cough vaccination has not yet achieved the status of immunisation against diphtheria. There was a slight increase in cerebrospinal fever over the previous year, in notifications and deaths, and the persistence of a high level of notifications-twice that of the last two pre-war years - is somewhat ominous, the report states.

An unexpected epidemic of poliomyelitis began at the end of May, at least six weeks earlier than usual. The incidence of 18 per 100,000 was four and a half times that of the largest epidemic (4 per 100,000 in 1938) hitherto recorded. In the calendar year 7.766 notifications were made, and 707 deaths were ascribed to the disease. The case fatality was 9.1 per cent. Only one-third of the cases occurred in children under five, one-third in children between five and fifteen, and one-third of the patients were over fifteen. Nearly twothirds of the deaths were in persons over fifteen. The 275 cases of typhoid fever and 412 cases of paratyphoid fever were much fewer than those in 1046. There was a marked fall in new cases of syphilis and gonorrhoea during the year. Cancer deaths totalled 77,850, an increase of 2,079 over 1946.

EAST METROPOLITAN SUMMER MEETING

The summer meeting of the East Metropolitan Branch of the Pharmaceutical Society took place on July 27. Mr. L. H. Moppett (chairman) conducted members in the afternoon on a five-mile walk through Epping Forest. Afterwards a well-attended meeting was held in the evening at Chingford, when Mr. J. Hearle (chairman, National Pharmaceutical Union Executive) gave an address on "National

Health Service Difficulties."

Mr. Hearle said that, while the present contract was not generous, it was just, and the target of negotiations was adoption of the N.P.U. dispensing scale. The greatest obstacle had, of course, proved to be pricing. Recently, a central pricing committee had been appointed to administer the scheme nationally, and as time elapsed the fruits of that new arrangement would become apparent. The Ministry had given assurances there would be new bureaux opened with adequate staffs. It did not seem likely that full pricing would return, but the basis of payment should be organised in such a way that every chemist would be satisfied with its equity.

Discussing the testing of prescriptions, Mr. Hearle said no Government could be expected to purchase medicines without some check, and the method that had been

adopted was to be preferred to that of Food and Drugs Act, under which pharmacist could be brought into of court and charged "almost as a rogue a vagabond" for a technical error.

Mr. Hearle said the Ministry was sirous of economising in the cost of s plying oxygen and proposed that the sup should be restricted to hospitals. Contractors' Committee was resisting

proposal.

Managers were campaigning to be journaties to the contract, and whilst N.P.U. were in full agreement that it should be given appropriate status, a responsibility for the dispensaries in the charge, they could not reconcile the action of any other party to the contribeyond the owner of the business.

In discussion which followed he t MR. T. M. YOUNG, East Ham, that might be possible for executive councils submit more detailed invoices showing h the averages were derived and on w basis a contractor's scripts were pric MR. J. REED (chairman, West H Branch, N.P.U.) proposed a vote of that which was seconded by Mrs. W. R. Thompson (chairman, Ilford, Barking & West Essex Branch, N.P.U.) and suppor by Mr. F. G. Perry (Romford N.P.U.).

PERSONALITIES OF SCIENCE ON POSTAGE STAMPS-

A FRENCH bright blue if. 75c. +50c. Ithe 50-cent surtax was collected for the benefit of International Anti-Cancer Fundl postage stamps, issued in 1937, commemorates the fortieth anniversary of the discovery of radium. The stamp depicts Pierre and Marie Curie working together in their

laboratory. Stamps bearing a similar design were circulated for use in all French colonies. Other countries which have honoured the Curies on their stamps include Afghanistan, Cuba, Monaco and Panama. The excellent full-face portrait of Marie Curie (right) is a 10-zloty greyblack stamp in a Polish series honouring



famous personalities. It was issued 1947. M. Pierre Curie (1859-1906) a Madame Curie (1867-1934) discover radium in 1898. M. Curie was profess of physics at Sorbonne University, who Madame Curie (1867-1934) became I assistant. They were married and continu to work side by side.

ABODE OF HYGEIA ": VENUE OF CONFERENCE

THE famous dictum of a bygone statesman: "Happy is the country that has no history" appears to we been seized on by Blackpool, turned und and made to apply to itself. Almost untingly the official guide points out at the town lays no claim to historical sociations, as if that fact were a sufficient arantee that Blackpool was a place here happiness was secure. The resort no-history is far from being a resort of -slogans, which should persuade the ost sceptical into recognising that Blackol is the ideal Conference rendezvousovided of course that its counter-attracns to the serious affairs of the week do t overwhelm. "Here health and happiness go hand in

nd," whispers the voice of the Corpora-n. In the early days of the Georges town was already "the abode of geia," and since those days Blackpool been "the unfailing prescription of owing physicians" and "the proved nedy of large numbers who wish to be-

ne, and to remain, well."

Commencing at South Shore, Black-ol's promenade is variously laid out in iken gardens, sun-trap shelters, a waterrse, winding walks, and rock settings, h children's paddling pool and model ht pond thrown in for bounty; toward centre there are wide, unbroken walks. rthward, the semi-circular esplanade of ncess Parade leads to a three-tiered lonnade, forbidden ground to vehicular fic and having a glass-sheltered walk resort to when the weather is not on its t Blackpool behaviour. Further north I the path rises to cliffs leading over to pham, Norbreck and Anchorsholme. ng Blackpool's shore the sea ebbs a re half mile, and it is hard to realise, king at the myriad bathers in this sunny tch of the Irish Sea, that once a bell g for male bathers to come out and ke way for the ladies to bathe (the fine being seen about after the bell had g was a bottle of wine). Surely conion or more wine than the Moselle proes would be entailed by any attempt reimpose such a rule among multitudes

Blackpool does everything in a big way. ly Paris can outdo its tower in height, Eiffel is hors concours in any attempt rival the "world of entertainment in If " centred on Blackpool's tower:- Circus, menagerie, aquarium, roof-gardens, ballroom. Southend may have the longest pier in the world, but it has only one: Blackpool has three, with five pavilions between them, all offering entertainment. In the Winter Gardens, where some of the Conference meetings are to take place, are comfortably accommodated a theatre, ballroom, cinema, restaurants and lounges.

Modest about its history—only claiming that "Charles Dickens found refreshing sleep and regained his appetite in the tonic air of Blackpool," nearly eighty years ago, the town can speak more confidently of its geography. Within reach—as the Conference excursions will show—is some of England's finest scenery. The immediate hinterland—the Fylde—is a countryside of leafy lanes, old-world villages, and windmills. The English lakes are but sixty miles distant, while the Trough of Bowland moors, the caves of Ingleton and the valleys of the picturesque Ribble and Hodder rivers, are close at hand.

Sport in Blackpool

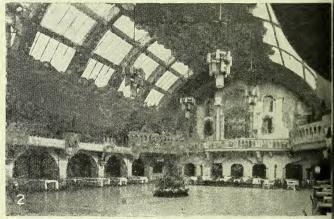
Blackpool's Stanley Park is claimed as the finest seaside sports centre in the country, with golf course, thirty-two tennis courts, six bowling greens (crown and flat) boating lake and putting greens. Other golf courses are situated at North Shore, Norbreck and Cleveleys; other bowling greens are Claremont Park, Bispham and Norbreck in the North, Layton to the East, centrally at Central Drive, and at High-field Road and Watson Road in the South; other tennis courts at Norbreck, Bispham and Claremont Park in the North, Central Drive in the centre, and Highfield Road in the South.

Visitors may obtain information in advance from the director of attractions and publicity, or in London from the Blackpool information bureau. During their stay, they can make use of the Information Bureau on the Promenade (just south of North Pier). A street plan and transport guide is forwarded to any address on receipt, by the director of attractions and publicity, of fourpence in stamps. A final slogan gives the whole secret of the town in a nutshell: "The true magic of Blackpool is that it gives new hope, new life, new vigour and new health." So let those who are to invite the 1950 Conference all take confidence anew: Blackpool will help them to compete.



1. Aerial view of the town showing the Central Promenade, three piers, and (left foreground) the open air baths.

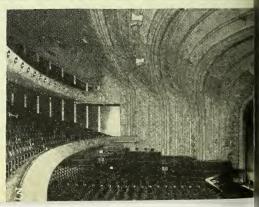
The Conference opens on Monday, September 12 and ends on Friday, September 16.



2. The interior of the Spanish Hall of the Winter Gardens (the venue for Conference luncheons).

3. The auditorium of the Opera House.

Photographs by Valentine & Sons, Ltd., Dundee, Elsam, Mann & Cooper, Liverpool, Scholastic Souvenir Co., Ltd., Blackpool, and Mendel Saidman. Blackpool.





IEWS OF BLACKPOOL E CONFERENCE TOWN

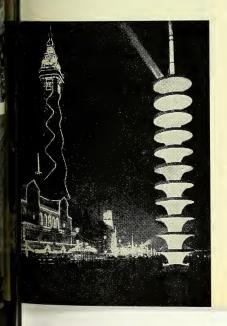
rance to pleasure beach, South Shore.

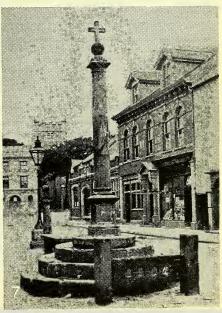
view of the Tower, Blackpool's leading land-mark.

e Central Promenade as it appears during the luminations.

e stocks at Poulton-le-Fylde.





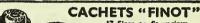


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rowidial organ of The Pharmaceutical Street of Ireland, The Pharmaceutical Pharma

OF CLII AUGUST 13, 1949 No. 3625

ternational Narcotics Control

survey of changes in poisons law (the article appeared in last week's issue) is nded this week to the International ventions which have been taken over the United Nations Organisation. The are eight international instruments h oblige most nations to co-operate in suppression of the illicit traffic in nardes. The agreements cover a period of ly forty years but a summary of their and application has not hitherto available. International law is an inwed subject because its origins are obs and its future more unsettled than Nevertheless, it has direct bearings on practice of pharmacy since "phary laws and regulations" are the basic r as of restricting the supply of nar-c s to medical needs and at the same y laws and regulations" are the basic preventing abuse by addicts.

he war years disrupted the efforts of mational control on the basis of world stics of production and manufacture h first became available in 1935-36. collection of data for 1946-47 has actively renewed. This formed a part of the work of the Economic and al Council of the League of Nations. new convention is in process for systising international control of natural synthetic narcotics including limitatof poppy-growing and of opium procion. This, however, will take several

s to materialise owing to the extensive

thing parties.

A study of the summarised International Conventions is well worth while as these explain past changes and foreshadow restrictions to come. The United States of America will urge limitation of poppygrowing as the primary objective in coordinated control because the illicit traffic in opium is an inevitable result of its overproduction. The restrictions on the manufacture and utilisation of opium alkaloids already suffice to prevent the spread of their abuse by addicts, but the introduction of synthetic narcotics and analgesics has created real or potential classes of habitforming drugs outside existing international law. Steps are already being taken to counteract this menace and the investigations will probably extend to the increasing abuse of soporifics (for example, barbiturates) as a substitute for narcotics. Finally, the question of restricting or even abolishing the use in medicine of diamorphine has been under examination for some years past. Indeed, this problem formed the origin of the resolution of August 3, 1948, calling for a conference to be convened with a view to adopting a single Convention to replace the existing Conventions on Narcotic Drugs.

U.K. an Example

The United Kingdom of Great Britain and Northern Ireland provides a model example of narcotics control which is growing more and more important as it has become the chief maker and distributor of morphine and its derivatives. The addition of amidone and pethidine to the list of Dangerous Drugs already anticipates proposed international limitations thereon and exercises that "extremely strict control" is necessary in respect of the use and distribution of manufactured drugs, synthetic or otherwise, which is the policy of the United Nations pending the completion of the new Convention. Turning to domestic D.D. law, the summary of international conventions reveals the ultimate source of the otherwise mystifying modifications of that ever-changing list of "Drugs to which Part III of the Dangerous Drugs Act, 1920, applies." It answers many questions—for example (a)

why heroin, exempted from D.D. provisions under 0.1 per cent. in 1920, becomes designated as diacetylmorphine in 1925, and D.D. restrictions are extended to all its preparations with subsequent exemption non-habit-forming medicaments D.D. regulations and Geneva Convention No. 2; and (b), why, in 1933 codeine, a comparatively innocent alternative to diamorphine, suddenly becomes D.D. for import and export and is instantly exempted for domestic use, a seemingly conflicting, confusing and unnecessary procedure. The reason is that the trafficker in narcotics has found that codeine could be reconverted into morphine and diamorphine, and therefore codeine was included in a new group (II) of narcotics in the 1931 Geneva Convention.

Pharmacists have been unable to understand why Poison Law inspectors cannot undertake D.D. duties, which they are well qualified to fulfil, during the course of their routine inspections. The explanation is that, under the Geneva Convention of 1931, all operations to prevent offences in the use or abuse of narcotics must be controlled from a "central" Government office co-operating internationally with corresponding offices elsewhere. The doubts and delays attendant upon the application of international law is exemplified by the Stirling case in 1944 (C. & D., 1944.2.602 and 613). This was a consequence of extending control in 1931 to inert dilutions of morphine and cocaine.

The success of narcotic control in this country is largely due to the inherent tradition of the dispensing chemist to refuse any supply of drugs damaging to the public morale, which unrecognised factor enables him to comply without difficulty with the increasing restrictions of poisons law.

Pharmacy and Food-Animals

The fact that the International Veterinary Congress at its fourteenth meeting (see p. 223) departed from its normal practice by discussing only one aspect of veterinary science—the conditions affecting foodproducing animals—serves to emphasise the seriousness of the world food shortage. Many of the papers considered by the

1,000 delegates (who represented al st every country) pointed to the pote al importance of the pharmaceutical and the chemical industries in alleviating at shortage—a matter that we have alr ly discussed (see C. & D., January 29, p. 1).

potential demand for specie chemotherapeutic principles in the vet nary field would seem to be particuly great-partly because of the diversit of the patients and their diseases, and p ly (as Dr. C. H. Andrewes pointed out it is recent article on viruses, (C. & D., July o. p. 138)) because risks from certain prepations may be justified when treating imals that would not be tolerated in hu n medicine. But. though the authors reported wide use of vaccines, in veterinary practice, mention of proots of pharmaceutical chemistry were paratively scarce. Most interesting an g these was, perhaps, the description a new intravenous anæsthetic for use in le horse. The drug is important for beil a compound of a type not used previous as an anæsthetic; for producing "asc 1ing" anæsthesia; and for being effere and safe—at least, in the horse—when 1jected intravenously as a suspension. Is the author suggests, the compound so is worthy of further investigation. The vestigations with that, or related pounds, might with advantage be call into the field of human medicine.

Dr. Davey's paper was important reviewing concisely trypanocidal distribution of the latest of these, Atcide, "shows promise," it is still use trial and the complete answer to the continuous of the development of resistant stills of the infecting organism during treat in the field has not yet been obtain.

The close connection at certain post between veterinary and human medit was shown, perhaps, by the recommetion made to the section considering volumes, that the possibility of the change of influenza viruses between and human beings has seriously to considered.

The appeal by Lord Boyd Orr for powerful international veterinary organition will doubtless receive wide support

POISONS LAW 1935-49

2. International D.D. Conventions

THE drastic laws enacted for suppressing the abuse of habit-forming narcotics originated in the Interonal Opium Convention of January 1912, better known as the Hague Conion. The High Contracting Powers China, France, Germany, Great ion.
e China, France,
and Ireland,
the Persia, Portugal, sia, Siam and the United States of erica. The Dangerous Drugs Act, 1920, the instrument for giving effect to the ue Convention, though that undertakis not mentioned in this "Act to reguthe Importation, Exportation, Manuure, Sale and Use of Opium and Other gerous Drugs." The Hague Convenwas strengthened and virtually super-d by the Geneva Conventions of Febru-11 and February 19, 1925, which in turn e modified by later agreements (Geneva, 1; Bangkok, 1931; Geneva, 1936; e Success, 1946; and Paris, 1948). s there are eight international instruits affecting the supply of Dangerous gs in this country. Their co-ordina-into a simplified system of interonal control was decided upon this by the United Nations Commission Narcotic Drugs at its meeting at Lake cess, New York, May 16 to June 3, the new treaty is not expected to erialise for some six to eight years, ng to the extensive negotiations necesbetween the contracting powers (now rly forty nations) which are co-operatto eliminate the illicit traffic in cotics.

gins of D.D. Legislation

The origins of Dangerous Drugs legison, as it stands at present, are obscured the continued currency of the various reements and Acts in amended forms. us the duties of the defunct League Nations were taken over in 1946 by the ited Nations and its World Health ganisation. The Protocol on Narcotics, ed December 11, 1946, makes amend-nts to the above Conventions that proindly modify their application. ent to which the poisons law, 1935-49, subject to international law cannot be derstood without a summary of the conuing conditions of the Conventions. In rticular this is necessary to explain why ngerous Drugs cannot be subject to the ne control in pharmacy as other poisons.

The original resolution under the Hague Convention was to "pursue progressive suppression of the abuse of opium, morphine, cocaine, as well as drugs prepared or derived from these substances giving rise or which may give rise to analogous abuses." This sufficed until the Paris Protocol of 1948 brought under like control synthetic narcotics outside the scope of the original wording. In Chapter I the parties to the Convention agreed to enact such laws as "shall prove efficacious in controlling the production and distribution of raw opium." Chapter II dealt with the pro-gressive suppression of the manufacture and use of "opium prepared for smoking." In Chapter III the Controlling Powers agreed that "pharmacy laws and regulations" should be enacted to limit the manufacture, sale and use of morphine, cocaine and their respective salts to medical and legitimate uses only, and to cooperate to prevent their use for any other Article 14 of the Convention purpose. remains the basis of D.D. law. It requires each contracting power to apply laws and regulations for the manufacture, importation, sale or exportation of morphine, cocaine, and their respective salts: (a) to medicinal opium; (b) to all preparations (official and non-official, including the socalled anti-opium remedies) containing more than 0.2 per cent. of morphine or more than o.1 per cent, of cocaine; (c) to heroin, its salts and preparations containing more than o.1 per cent. of heroin; and (d) to every new derivative of morphine, cocaine, or their respective salts, or to any other alkaloid of opium which might, after generally recognised scientific investigations, give rise to similar abuse and to result in the same injurious effects.

Geneva Convention No. 1 of February 11, 1925, relates to the prohibitory measures to deal with the increase in smuggling opium in the Far East; the signatories included India and Japan.

World Traffic Covered

Geneva Convention, No. 2, dated February 19, 1925, gained some thirty new signatories and brought under control practically the whole of the world traffic in Dangerous Drugs. The preamble stated that the provisions of the Hague Convention had produced results of great value, though the abuse of drugs, and the contra-

band trade, still continued on a great The new agreement subjected coca leaves and Indian hemp (and resins therefrom) to the same control as raw opium, and placed limitations on ports or other points of entry for export and import. The internal control of manufactured drugs was extended (b) to crude cocaine and ecgonine; (e) to all preparations containing diacetylmorphine (that designa-tion replacing "heroin"); (f) to galenical preparations (extract or tincture) of Indian hemp; and (g) to any other narcotic drug to which Articles of the present Convention may be applied. Additional provision for the control of international trade took the form of import and export "authorisations," with measures to prevent unauthorised diversion. In addition, a Permanent Central Board was set up to collect and collate statistics relating to the production, manufacture and consumption of the drugs. The Board watches continuously the course of international trade, and has the right to recommend discontinuance of exports to any country accumulating undue stocks if there is a danger that it may become a centre of illicit traffic. Disputes, unless settled otherwise, can, under the amended Convention, be brought before the International Court of Justice by any one of the parties involved.

The Convention of 1931

The Geneva Convention of July 13, 1931, was directed towards limiting the manufacture and regulating the distribution of narcotic drugs. It divided drugs into two groups, as follows:—

GROUP I
Sub-group (a)

(i) Morphine and salts, including preparations made directly from raw or medicinal opium and containing more than 20 per cent, of morphine.

(ii) Diacetylmorphine and the other esters of morphine and

their salts;

(iii) Cocaine and its salts, including preparations made direct from the coca leaf and containing more than 0.1 per cent. of cocaine, all the esters of ecgonine and their salts;

(iv) Dihydroxycodeinone; dihydrocodeinone; dihydromorphinone; acetyldihydrocodeinone; dihydromorphine; their esters and salts thereof, morphine-N- oxide, its derivatives an he other pentavalent nit en morphine derivatives.

Sub-group (b)

Ecgonine, thebaine and eir salts, benzylmorphine and he other ethers of morphine and their salts, except methy prine, ethylmorphine and their salts.

GROUP II

Methylmorphine, ethy prphine and their salts.

The additional provisions included pply to the Permanent Central Boar by each high contracting party of estimes of the requirements of each drug in country or territory for (a) medicinal descientific needs (including quantity in examinations); (b) quantity for conversion c) reserve stocks; and (d) quantity for blishment and maintenance of any Goment stocks. The limitation on mancure in any country or territory is at the total of any drug shall not examinate to the total of any drug shall not examinate and the total of any drug shall not examinate for the execution of orders authorised for export and for the main ance of Government stocks.

Prohibited Exports

The export of diacetylmorphine is hibited otherwise than on a request companied by an import certificate, in the Government of any country in w h it is not manufactured. New procts from the phenanthrene alkaloids of of a or the ecgonine alkaloids of coca are o banned from the date of the Conver n unless proved to be of medicinal valuer not capable of causing addiction. World Health Organisation is, by am ment, to be notified of any such manu ture and to decide upon its grouping cording to producing addiction (G I(a)) or conversion into such a (Group I(b)). Control is extended inert solutions or dilutions containing than 0.2 per cent. of morphine or than o.1 per cent. of cocaine. Exemp is accorded to preparations that car give rise to the drug habit on accounthe medicaments with which they are c pounded. These are represented by Geneva Convention preparations m "Ex D.D." by Order in Council in (S.R. & O., 1937, No. 327). Other 1 visions relate to the creation of a spe administration for regulating, supervisi

controlling the trade in drugs and nising the campaign against drug adion, with intercommunication details each case of illicit traffic. Each high racting party, after seizure, undertakes destroy, appropriate or convert into narcotic substance any illicit drug in up I and in all cases to destroy or condiacetylmorphine. It is recommended each Government should examine the ibility of abolishing or restricting the of this drug. The Bangkok Convenof December 27, 1931, applies only the Far East and restricts the retail and distribution of prepared opium to ernment shops.

he concern of the Geneva Convention of June 26, 1936, is with "centralisa-" of the measures for the suppressions he illicit traffic in Dangerous Drugs, a provision for extraditing offenders when the treaty contains a reservathereon. In particular, each of the contracting parties undertakes to set within the framework of its domestic slation, a central office for the superon and co-ordination of all operations essary to prevent the offences specin Article 2 (namely the "manufaction, extraction, preparation, ession, offering, offering for sale, dis-

tribution, purchase, sale, delivery on any terms whatsoever, brokage, despatch, despatch in transit, transport, importation and exportation of narcotic drugs, contrary to the provisions of the said Conventions)." The object of the Convention is direct co-operation between the central offices to "the greatest possible extent."

The Protocol on Narcotic Drugs signed at Lake Success on December 11, 1946, amends the previous agreements so as to transfer the functions thereunder to the Secretary-General of the United Nations.

A Protocol signed in Paris on November 19, 1948, but not in force at present, embodies an intention to apply the Conventions to synthetic drugs (such as amidone and pethidine) at present outside the scope of the 1931 Geneva Convention. The succession of agreements that has been enumerated reflects the ever-changing character of the "Drugs to which Part III of the Dangerous Drugs Act, 1920, applies" and the profound modifications effected therein by the Dangerous Drugs Acts of 1925 and 1932. Together they make up a complicated system, and the ability of the trade to comply with the requirements is to a high degree dependent upon explanations in the trade journals of the official ordinances.

INTERNATIONAL VETERINARY CONGRESS

E Fourteenth International Veterinary agress was opened in London by the Hon. Mr. Hector McNeill (Minister State) on Monday, August 8. In view the world shortage of food the proceeds of the Congress were devoted to conons affecting food producing animals. presentatives from 53 countries atded.

n an address to the Congress entitled he World Food Situation," LORD BOYD R made a plea for a strong interional veterinary organisation "on the es of the World Health Organisation, ough which governments could coerate more actively in the elimination of eventible diseases on a world scale." He gested that the conference should coner ways of bringing about a greater ity in the veterinary work of different untries, and how best the research and services of the better uipped countries could assist those who e worst equipped and in most need of application of veterinary science. Though difficult to estimate accurately, loss in human foodstuffs throughout the world due to preventible diseases in animals, he said, must run to millions of tons per annum.

Three Phases of Control

In the control of cattle diseases there were three phases: the eradication of the major "killing diseases"; the control of chronic infectious diseases associated with intensive farming; and the avoidance of metabolic troubles apparently connected with excessively high productivity. countries still in the first phase of animal disease control were India, many parts of Africa, and Eastern Asia. In those countries there were major epizootics, such as cattle plague (rinderpest), bovine pleuropneumonia, glanders, and certain protozooal diseases. These diseases caused high mortality, consequently, the value of the individual animal and its productivity was low, and monetary losses, as well as the losses in food, were enormous.

Great Britain had passed to the second and third phases in the control of animal disease, having eradicated cattle plague since 1866. Nevertheless, it was to be hoped that the present loss of eggs and poultry meat arising from the reintroduction in 1948 of fowl pest into Britain would not be allowed to continue through the adoption of half-measures.

A recent estimate of the monetary loss arising from diseases in dairy cattle in the United Kingdom was of the order of £30 million, or in terms of food value 200 million gallons. The losses had been curtailed by the recent use of sulphonamide drugs and penicillin, and the wide application of a vaccination scheme for the control of contagious abortion.

As the chronic infectious diseases were brought under control animal productivity seemed to increase, and a number of digestive or metabolic disturbances occurred.

Science Sessions

Below is a summary of some of the papers read at the Congress which were of pharmaceutical importance:—

DR. D. G. DAVEY, Manchester, in an account of drugs that had been used in the treatment of trypanosomiasis, particularly animal trypanosomiasis, said that the new drug Antrycide was still in the experimental stage, but the early results achieved with it were promising. Toxic effects were minimal, treatment was made with a single subcutaneous dose, and all the common species of trypanosomes infecting domestic animals were embraced in its action. Suitable preparations of the drug can be made to give a prophylactic effect extending over several months.

effect extending over several months.

The antimonial drugs had the disadvantage that repeated injections, daily or weekly, were required, and even then unsatisfactory results were sometimes obtained. The diamidines could not be recommended because curative doses were toxic for the host, but the quinolines appeared worth a more extended trial against Trypanosoma brucei. Suramin was of limited use in animal trypanosomiasis since its action against T. congolense or T. vivax was negligible. Its action against T. brucei, T. equinum, T. equiperdum and T. Evansi was good, but care was necessary when using it in equines as those animals had small tolerance for it. Dimidium bromide had a marked action on T. congolense, some on T. vivax, but little on other species. In an attempt to avoid producing the delayed toxic effect the field dose had been dropped to a level which did not always cure.

Human and Pig Influenza

In an address to the section of the ongress dealing with virus disease, N. F. BLAKEMORE (professor of Vete ary Science at Bristol University), spoke the desirability of investigating the possil relationship between influenza in l nan beings and in pigs. He said of an ou cal of swine influenza in Britain that " eezing was the most prominent featur but pneumonia was an almost constant om-plication." The possibility of an exc nge of viruses between pigs and the lan population had seriously to be consi ed. The fact that pigs could be infected ith some human strains of virus wa an indication that the pig should be onsidered as a factor in the epidemiolo of human influenza.

DR. PEDRO J. SCHANG and colle ies, Argentine, described a method for the reparation of trivalent foot-and-1 ith disease serum which was five- or teold more active than that of convalescent import hyperimmune serum prepared by the techniques.

DR. H. S. FRENKEL, Amsterdam, described a method of cultivating the foot-and-rith disease virus in surviving epithelial successful the virus in stainless steel container regularly been successful. Vaccine precedent the culture virus proved the equally effective as vaccine prepared the virus harvested from infected cows.

DR. H. W. BENNELTS, Western A alia, had demonstrated the presence potent cestrogenic principle in subterra an clover (Trifolium subterraneum). Par improvement with that plant had lo led to a serious decline in the bre capacity of sheep as a result of fema nefertility, inertia of the uterus, and produce this complex were attributed to cestro is stimulation resulting from the contingestion of that cestrogenic prince. Other clovers tested had shown little upontency. The chemical nature of epotent principle has yet to be determ in

Veterinary Anæsthesia

Veterinary anæsthesia was the su of a number of papers. Dr. C. F. Schlinder, U.S.A., said that as animals contrained or educated to feel or diguish pain and other sensations as chuman beings, complete anæsthesia is

will necessary. Some animals to te without apparent discomfort proce es that would incite violent reactions in hers. Usually with the use of local gional anæsthesia one can perform surgical procedures in cattle and s, because the restraint necessary for nistration of the anæsthetic agent is ost instances also sufficient to immothe animal adequately for operation. roduce sedation in horses and cattle, doses of chloral hydrate or pentotal sodium may be used, if the operais to be performed with the animal ing and the dose given be not suffito make it unsteady on its feet.

A ew Anæsthetic

le use in the horse of a new intraw is anæsthetic, β naphthoxyethanol—a
c ound of a class not previously used
a næsthetics — was described by Mr.
H 3. Parry, Newmarket. The drug, he
sa was of particular interest in being injed as a 10 per cent. aqueous suspensi (in particle size of 20/30), and in prod ig anæsthesia of the ascending type.
I drug acts first, probably, on the spinal
c and with increasing doses the anæstl a ascended until the whole brain was
a ted. Observations on over 300 anæstl shad been made by author.

næsthesia can be induced conveniently in e standing position with one man only h ing the animal's head. The injection is ade into the jugular vein so that the reired dose is given over a period of a It two minutes. At the end of this p od the animal will be slightly unsteady s hind-quarters and, if forced to take a ep backwards, will collapse quietly to ground without struggling, when its I should be restrained at once. Excitet during induction has never been obed. This induction dose will give light sthesia, adequate for simple tooth extions, castration and laryngeal internce. Medium plane, 2, and deep plane, næsthesia are readily obtained by coning the injection after induction.

n other species, however, the drug is satisfactory, largely owing to exciteit during induction and the danger of longed apnœa. For the present, there, the use of the drug in animals other
n the horse is not recommended.

naphthoxyethanol disappears rapidly n the blood stream and, after the adnistration of an induction dose, its concentration has fallen below the anæsthetic level in about ten minutes. Some 20 per cent. of the injected drug is excreted through the kidneys, mainly as β -naphthoxyacetic acid with a small and variable proportion as quinone compounds, which impart a brown colour to the urine. The fate of the remaining 80 per cent. has not been determined.

Toxic Signs

Toxic signs are seen chiefly when the injection has been made too rapidly or in animals which are poor anæsthetic risks due to cardiovascular disease. The signs may be related to either the cardiovascular

or respiratory system.

The use of β -napthoxyethnol (a white crystalline powder sparingly soluble in water) can be combined with many of the agents commonly in use. After induction with the drug, chloroform can be used to maintain anæsthesia for up to one hour; chloral hydrate and the barbiturates can be combined in the suspension and the mixed agents injected together. In these cases the descending central depression of the chloral hydrate or barbiturate is added to the ascending spinal depression of the β -naphthoxyethanol.

The author recommends that for the present the drug should not be given at a rate greater than 0.25-0.35 mgm./kilo/ second, that the maximum dose should not exceed 100 mgm./kilo, nor the anæsthesia last longer than thirty minutes. The drug should not be used in old or sick animals, especially those with any form of cardio-vascular or pulmonary abnormality. A combination of a 10 per cent. suspension of β -naphthoxyethanol with 2.5 per cent. thialbarbitone appears to have significant advantages over β -naphthoxyethanol alone, without increasing the toxic hazards of the compound.

The work was conducted with the cooperation of workers in the biological and pharmaceutical departments of Imperial

Chemical Industries, Ltd.

DR. A. PIRES, Argentine, recommended as a curarising agent in veterinary surgery the hydrochloride of the dimethyl ether of methyl bebeerine. The preparation of the drug used had been made by Institute Vital, Brazil, and was sold under the name of "Cotency." MR. F. JURNY, Brno, Czechoslovakia, described an anæsthetic inhaler for horses which could be easily regulated by a slide valve.

NEW GLAXO FACTORY IN ITALY



Front view of the Glaxo factory at Verona, Italy.

HE industrial rebirth of northern Italy was carried a stage further on July 30 when extensions to the Italian plant of Glaxo Laboratories, Ltd. (S.A.I. Laboratori Glaxo), at Verona, were officially opened. The inaugural ceremony was performed by the Prefect of the Province (Dr. V. Peruzzo) in the presence of Mr. R. G. Goldie, C.B.E., British Consul-General in Milan (representing the British Ambassador); and Sir Harry Jephcott and Dr. H. M. Walker, chairman and medical director, respectively, of Glaxo Laboratories, Ltd. There was also present a distinguished gathering of Italian Government officials, senators, members of parliament, civic leaders and doctors from many parts of the world, among them over 500 from Italy. The visitors were officially welcomed by Mr. H. A. Gent, managing director of S.A.I. Laboratori Glaxo, and afterwards, the Prefect, in his speech at the ceremony, expressed his satisfaction in this latest British contribution towards greater Italian industrial activity. After the ceremony, which formed part of the proceedings of the International Medical Congress, being held in Verona at that time, the visitors were taken on a tour of inspection of the offices and laboratories. Previously Sir Alexander Fleming and Professor Mario Cotellessa, Italian High Commissioner of Hygiene and Public Health, had visited the new factory.

The new f ory is a modern urstorey L - s ped building wi frontage of 1 ft. and a dept of 115 ft. Diffici in obtaining bu ing materials has een overcome by hit-ing the choi to locally - ava ble stone, brick nd marble. The exterior of the actory is cover in smooth, red bks with a plint of rough worked bypink stone. he frontage is di ed symmetrically by an archway with

yard. On the first floor immediately a verthe arch are the board room and far offices, and on the second floor arche library and the conference room. Ha of the frontage is devoted to office accorodation, the whole of the ground floo (a department with a 13 ft. ceiling) is upied by the general office staff. It management offices and purchasing detent occupy the first floor, and on esecond floor are accounts, cashiers, calicity and medical departments. Fluore it lighting is installed throughout this see it.

The factory occupies the remail g frontage and also a further wing wh runs back at right angles into the cotyard. The ampoule department is a las, well-equipped laboratory. Ampoule was ing, cutting, and filling, and the preption of sterile solutions are carried out large well-lighted, air-conditioned ro with gas, compressed air, vacuum nitrogen-piped to the benches. Minadex plant, located on three flo comprises components all made of stain steel, with resistance-glass pipes. materials are elevated to the required fl and intermediate solutions and the finis product descend by gravity. Other u are the pharmaceutical manufacturing partment; tablets department; and the poule polishing, printing, inspection storage sections. Hot and cold wi showers are provided for the staff.

STOCK EXCHANGE PRICES

Quotations are the average for the days stated.

1	unit unless otherwise stated	June	30	Aug	. 2	£1 unit unless otherwise stated	Jun	е 30	Aug	z. 2
п		S.	d.	S. 0	d .		S.	d.	S.	d.
A	tht & Wilson, ord., 5s	28	9	28	3	Ilford, ord. stock, 5s	24	41/2	20	71
A	& Hanburys, prefd. ord.				3	Imperial Chemical Industries, ord.	_	0		
	cum	30	0	30	0		44	U	42	3
A I	r Chemical, ord., 2s	6		_		Imperial Chemical Industries, 7%		- 1		
	r Chemical, 5% cum. pref.		3	5	72	cum, pref. stock	33	1 ½	31	0
		23	9	23	9	International Sponge Importers,				
	ts Pharmacies, ord. stock, 5s.	5	0	5	0	ord. stock, 5s	3	Ιż	2	9
	, ord. stock, 5s	18	9	21	3	Kent, G. B., & Sons, 5% cum.				
	am Group, defd., 2s. 6d	12	0	12	0	ptpg. pref., 12s. 6d	15	0	13	9
	am Maclean Holdings 4%		7			Kershaw, A., & Sons, ord., 1s	1	1 1/2	1	I ½
	. cum. pref	20	71	20	$7^{\frac{1}{2}}$	Kleeman, O. & M., ord. stock, 1s.	10	0	10	3
B	, Roberts, ord., 5s	31	3	30	0	Laporte Chemicals, ord, stock	19	$4\frac{1}{2}$	21	3
R	(Eastern) "A" pfd, 6% cum.	30	0	28	6	Laporte Chemicals, ord. stock Lever Brothers & Unilever, ord.	45	ô	42	ĕ
B	(Western) "A" pfd. ord.	"				Lewis & Burrows, ord. stock	30	o	26	3
	/ ₀ non-cum.)	35	0	33	6	Lewis & Peat, ord., 1s	30		1	
	Pure Drug, ord., 5s	48	0	48	0		_	3	1	3
	Consold., defd. ord. stock	_	0	_	0		285	0	295	0
		50	0	50		Macleans, 4% red. cum. pref	20	0	20	0
	h Alkaloids, ord., 1s	4	U	4	0	Mellin's Food, 6% cum. pref	6	0	6	0
	h Chemicals & Biologicals,					Milton Antiseptic, ord., 10s	20	0	20	0
	cum. red. pref	20	9	20	9	Mono Containers, 5s	15	0	15	0
	h Drug Houses, ord., 5s	6	9	7	3	Monsanto Chemicals, ord., 5s	50	0	51	3
8	h Emulsifiers, 2s		9		9	Pears, A. & F., 5% deb. stock,				
	h Glues & Chemic., ord., 4s.	18	0	18	6	irred	130	%	125	%
	h Industrial Plastics, ord., 2s.	4	0	. 5	0	Pest Control, ord., 5s	8	0	8	0
E :	h Optical & Prec. Eng., 5%	92	1%	921	%	Potter & Clarke, ord., 1s	2	0	2	0
E	h Oxygen Co., ord. stock	91	0	92	6	Reckitt & Sons, ord. stock	101	101	101	3
E :	h Xylonite Co., ord. stock	70	0	65	0	Rolls Razor, prefd. ord., 10s	21	103	21	3
	erton & Co., ord	20	0	20	0	1 0 1 1	28	6		0
	Boulton & Haywood, ord.	25	0		0				29	-
	W. J., & Co., ord	_	6	25		Sanitas Trust, ord., 10s	26	3	28	6
ш	val, ord	77 20		77	6	Savory & Moore, $5\frac{1}{2}\%$ ist red.				
	er, McD. & Robertson, ord.		71	18	9	cum. pref. stock	22	0	21	6
п	e C 1 1	27	6	27	6	Sherley, A. F., & Co., 8% cum.				
н	P. B., & Co., ord. stock, 4s.	2	3,	2	3	prefd. ord	22	6	22	6
		4	1 2	4	41/2	Smith & Nephew Associated Cos.,				
	eld, J., & Sons, 5% cum.		3			ord., 4s	15	71	16	0
		25	0	25	0	South African Druggists, ord., 5s.	13	6	13	0
B.	ns, Sons & Co., ord. stock 2s.	15	6	15	0	Southalls (Birmingham), stock, 5s.	38	9	38	11
	lers, ord. stock, 4s	25	3	25	6	Spa Brushes, ord., 2s	3	71	3	$7\frac{1}{2}$
П	rry Perfumery Co., ord., 1s.	2	9	3	o	Sternol, 8% cum. ptpg. prefd.	_	1	_	
	op Rubber Co., ord. stock	62	0	60	3	ord., 10s	8	9	8	0
8	en Foods Co., ord., 2s	9	9	6	6	Stevenson & Howell, ord. stock, 5s.	25	0	23	6
	Proprietaries, 5½% cum. pref.	23	$1\frac{1}{2}$	20	o	Taylors, Cash Chemists, London,	-5	×	-3	
1	d, stock, 2s	4	9	3	9	6% cum. pref	27	6	26	0
	Medical Supplies, ord. stock	38	9	37	6	Taylors, Cash Chemists, Trust,	-/	9	20	3
1	J. C. & J., ord., 10s	27	6	26	3	6% cum. pref	0.5	6	0-	-1
h	s, ord. stock	44	0		0	Toylors Drug Co #0/ "A >>	27	0	25	7₺
	s, 4½% cum. pref	22	0	44	-	Taylors Drug Co., 7% "A"		_ [
lo.	way D HJ		6	22	0	cum, pref	31	3	31	3
I.	te Safety Razor Co. shares	3	U	3	0	United Glass Bottle, ord. stock	71	3	68	9
B.	nar value)	٥.				Veno Drug Co., 12% cum. prefd.				
	par value)	\$43		\$47		ord	27	6	27	6
	Laboratories, ord. stock, 10s.	350	0	350	0	Virol, ord	72	6	72	6
T'	Laboratories, 8% cum.	19				Viscose Development Co., ord.				
L.	fd. ord. stock, 10s	19	01	19	$0\frac{3}{4}$	stock, 5s	9	0	9	0
Pd	ge, W., & Sons, 5% 1st.					Vitamins, 1s	4	0	3	6
11	n. pref	25	0	25	0	Wesley, Harold, 5s	11	3	11	3
r.	f-Chemicals Holdgs., ord., 5s.	11	6	11	6	Whites (Timothy) & Taylors, ord.,				,
П	ins Hughes Proprietaries, ord.	18	11	18	9	55	33	11	31	3
п	oshire, F. W., stock, 5s.	70	o	70	0	Whites (Timothy) & Taylors,	33	- 2	3.	3
SI	prooke & Southon, ord, 4s.	4	6	4	6	$7\frac{1}{2}\%$ cum. pref	36	2	9.0	11
11	CKS, Stock, 5s		101	26		Wright, Layman & Umney, 7%	30	3	33	17
ye	nden, R., & Sons, 7% cum.				102		20	-1	0-	6
F	" pref	26	3	26			30	75	27	6
s,	"A" ord,	38		_	3	Yardley & Co., ord., 4s	57	6	55	0
		30	9	36	3	Yardley & Co., 2nd pref. (cum.)	23	3 '	23	3_

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quaties of standard quality. Prices of crude drugs and essential oils vary as to brand or gra.

28 Essex Street, W.C.2, Aug. 10 THE markets for PHARMACEUTICAL and FINE CHEMICALS have continued quiet with little new business. SANTONIN, which is still in short supply, has been increased in price by £18 per kilo, making the new price, for 1-kilo lots, £64. Other price changes have included reductions in the rates for CAMPHOR MONOBROMIDE of 3s. per lb., and in the rates for Camphon Sul-PHONIC ACID and its ammonium, calcium and sodium salts of 10s, per lb. The minor BISMUTH SALTS are adjusted to the recent reduction in the metal. The CRUDE Drugs markets continue to attract few inquiries in respect of many of the principal articles. There has, however, been a good request for Camphor tablets and supplies on the spot are now difficult to find. Prime Cape Aloes on the spot is PERU BALSAM has been marked up firm. threepence per lb., and a similar rise has taken place in prices for Tolu balsam. Rhubarb is tending firmer but prices are unchanged. There is, however, little medium or poorer grades of rhubarb, for which prices from 4s. 6d. per lb., duty paid, are asked. Stocks of QUILLAIA are low. Shippers are again indicating higher prices for Ergot but there are no reports of any business. In ESSENTIAL OILS, prices of STAR ANISE have increased by sixpence per lb., and drums are now quoted at 7s. per lb. There are no firm offers of oil from Hong Kong.

U.S. Drug and Chemical Report New York, Aug. 5

EXPORTS of FINE CHEMICALS from the United States, which were down by approximately 10 per cent. in the second quarter of 1949, are continuing to decline. Trade circles think that prices of Penicil-LIN will be further reduced owing to falling off of demand as a result of increased output in other producing countries. Lower prices are reported for Amphetamine following an improvement in production methods. In the MENTHOL market, after firmer conditions, which caused quotations to rise from \$10.80 to \$11.15 per lb, values declined to \$11.10 in the absence of business. Little activity has been noted on the Crude Drugs market, but the past few days have seen a further strengthening in ERGOT and more indications that domestic items will be cheaper in the new season because of lower collection costs. ended the period under review at \$2.10 per lb., against \$1.85 previously, with only limited quantities offered from Portugal. CITRUS and FRUIT OILS continue to command the most attention on the ESSENT OILS market because of the continued g weather. There are indications that flor oil prices will go higher following creased costs at the primary centres. Note of influences are given as the reason as a 10 cent reduction, to \$5.40 per for natural Peppermint oil. Prices Citral have increased by 15 cents per and are now from \$4 per lb., reflect firmness in Lemongrass.

Exchange Rates on London

Bank of England fixed rates at the oring on Wednesday morning were:—

Centre	Quoted	Rate
*Alexandria Amsterdam	Piastres to £	97 ¹ -9;
*Bombay	Shillings to	1-515-1-
Brussels	Francs to £	1761-1;
Copenhagen Dutch East Indies	Kroner to £ Florins to £	19.32-19
Dutch West Indies *Hong Kong	Florins to £ Shillings to \$	7.59-7.6 1-2 35 —1
Lisbon Montreal	Escudos to £ Dollars to £	$4.02\frac{3}{4}$ 4.
New York Oslo	Dollars to £ Kroner to £	19.98—20
†Paris Rio de Janeiro	Francs to £	75·44
*Singapore Stockholm	Shillings to \$ Kronor to £	2-3 ¹ / ₆ -2- 14-47-14
Zurich	Francs to £	17.34-17

* Free market rates † Forward francs 1 fr. either side par per mor

Pharmaceutical Chemicals

Ammonium carbonate. — Lump, B in 1-ton lots, packed in casks, is quote £52 10s. per ton. Bicarbonate, B.P., 1-ton lots, packed in non-returnable dru is quoted at £40 per ton.

AMPHETAMINE. — Quotations for B and Sulphate are from 115s, to 120s. lb, d-Amphetamine is 26s, per oz.

Atropine.—Steady. Makers' rates oz. are: Alkaloid, 41s, 3d.; 4 oz., 40s. 32 oz., 40s. 3d. Sulphate, 32s. 9d.; 4 32s. 3d.; 25 oz., 31s. 9d.

Barbitone. — Base and soluble offered at prices from 42s, to 44s, per l

Barium Sulphate (x-ray).—Prices unchanged, 1 cwt., 1s, 3d, per lb, Scherates per lb. (containers in brackets), quantities between 28 lb. and 1 cwt. as follows: 1s, 8d. (1-lb.), 1s. 7d. (2-l 1s. 6\forall d. (4-lb.), 1s. 5\forall d. (7-lb.), 1s. (14-lb.), 1s. 4d. (28-lb.).

BENZOCAINE. — Home-trade prices unchanged at from 50s, to 52s, per lb

BORAX .- Rates for B.P. are unchanged s follows: Granular, £38 per ton; power, £39 10s.; powder, extra fine, £40 10s.; rystal, £39. Rates for commercial grades 99.5 per cent.) are: Granulated, £27; owder, £30; powder, extra-fine (or rystal), £31. Smaller quantities are from to 5s. per cwt. more than the foreoing rates. Carriage paid (minimum 1-

on lots) in the U.K.

Bromides .- Makers' rates in the United ingdom and Eire for Potassium, B.P. crystal) and Sodium, B.P., are as folws:—5 cwt., 2s. 4d.; 1 cwt., 2s. 5d.; 8 lb., 2s. 11½d.; 14 lb., 3s. 2d.; 7 lb., 3d. per lb. The potassium salt in owder is 11d. per lb. more than the foreing prices. AMMONIUM, B.P.C., is 1d. r lb. more than the potassium and dium salts. Terms: Prices net. 1-cwt. ses or kegs charged: 28-lb. parcels free; naller containers charged extra. Schedule antities may be made up of assorted lts down to 28 lb.

Calamine. — Quotations for 1-cwt. lots

e at 1s. $7\frac{1}{2}$ d. per lb.

Oxalic acid. — Quotations range from 3s. to 140s. 6d. per cwt., in 1-cwt kegs. 5-cwt. casks prices are about 5s. per

PARALDEHYDE.—Rates for B.P. material, om May 19, are as follows: 5 carbovs, 6d. per lb.; 1 carboy, 1s, 7d.; in winesters, from 1s. 8½d. to 2s. 0½d. per lb. PHELLANDRENE. — Refined is quoted at . 5d. per lb. in carboys, and from 1s. 6½d. 2s. 1d. per lb. in winchesters.

PHENACETIN.—Prices range from 5s. to per lb., according to quantity. Supplies

e still difficult.

PHENOBARBITONE. — Home-trade prices unchanged at from 35s. per lb., up-

nuchanged at from 35s, per 1b., uprds, according to quantity.

PHOSPHATES. — Steady. Makers' rates 1b. are as follows:—Sodium, B.P., 1t., 6d.; 28 lb., 7½d. Sodium acid., B.P., stals, 1 cwt., 1s., 9d.; 28 lb., 2s.

TASSIUM, granular, 4s. 2d.; powder, 5d. (for 7-lb. lots). Ammonium, B.P.C., wt. 2s. 6d.; 28 lb., 2s. 10d. Phosphoric d., B.P. (concentrated). is from 1s. 2d. 1s. 3d. in carboys and from 1s. 5d. to 9d. per lb. in winchesters.

PILOCARPINE. — Makers' prices are un-

PILOCARPINE. — Makers' prices are ununged. Rates per oz. are: Alkaloid. z., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. DROCHLORIDE.—1 oz., 34s. 9d.; 4 oz., 3d.; 25 oz., 32s. NITRATE.—1 oz., 31; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

POTASSIUM PERMANGANATE.—Home-trade es, for B.P. grade (in 1-cwt. drums), 1 cwt., 1s, 7\dd. per lb.; 5 cwt., 6\dd.; 1 ton, 1s, 6d, Technical (in 1-cwt. me) is 16\delta_0 cwt., 5 cwt., 154s, 6d ms) is 163s, per cwt.: 5 cwt., 154s, 6d. cwt.; 1 ton, 149s, 6d. per cwt. Prices net; carriage paid nearest railway sta-; drums extra and returnable.

PROCAINE HYDROCHLORIDE.—Prices range from 50s, to 53s, per lb., as to quantity.

PYROGALLIC ACID. — Quotations for CRYSTALS are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. RESUBLIMED is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

RESORGIN.—Current prices range from 11s. to 11s. 6d. per lb.; Monoacetate is from 14s. 6d. to 17s. 6d. per lb., according to quality.

SALOL, B.P.C. — Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s, 4d, per lb., according to pack, Prices for larger quantities are from 7s. 6d, to 8s. per Ib.

Santonin.—Small quantities only are available. Prices have been increased by £18 per kilo. New rates per kilo are: 1-kilo lots, £64; 500-gm., £65; 250-gm., £66; 100-gm., £67; smaller quantities, £68.

SODIUM LAURYL SULPHATE.—B.P. material is quoted at about 8s. 6d. to 9s. per lb. for small quantities. EMULSIFYING WAX is available at 6s. to 6s. 9d. per lb.

SULPHONAL.—A steady inquiry. Makers quote 44s, to 53s, per lb., as to quantity.

TANNIC ACID. — Current quotations for B.P., levis, ex ether, are from 8s. 6d, per lb.

TARTARIC ACID, B.P. — British makers' current scales are:—10 cwt, and over, 170s.; 5-9 cwt., 172s.; 2-4 cwt., 174s.; 1 cwt., 176s. per cwt., delivered.

TEREBENE.—Quotations from makers for pharmaceutical quality (B.P., 1932) are 3s. 2d. per lb., in carboys and from 3s. 3½d. to 4s. 2d. per lb., in winchesters.

Terpineol.—Prices for B.P. grade are

from 2s. 9d, to 3s. per lb.

THEOBROMINE.—Makers' prices per lb. are: Alkaloid, B.P.C., from 32s. 6d. to 37s. 6d.; Calcium salicylate and Sodium SALICYLATE, B.P., from 19s. to 24s.; SODIUM BENZOATE, 21s. 6d. to 25s. 6d. Assorted orders may be booked, with the exception of theobromine and sodium benzoate (caffeine alkaloid and salts may be included). Containers: 14-lb. and 28-lb. tins, free; other packages charged extra. Carriage paid on orders of £20 value and over.

over.

Valerianates. — Makers' rates per lb. are as follows: Ammonium, 14 lb., 37s. 6d.; 7 lb., 38s.; 1 lb., 39s., per lb. Amyl, 14 lb., 23s. 6d.; 7 lb., 25s.; 1 lb., 26s. per lb. Caffeine, 14 lb., 105s.; 7 lb., 107s. 6d.; 1 lb., 110s. per lb. Calcium, 14 lb., 33s.; 7 lb., 34s.; 1 lb., 34s. 6d. per lb. Ethyl, 14 lb., 32s. 6l.; 7 lb., 33s.; 6l.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d. per lb. Menthyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 33s.; 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. 1 lb., 34s. per lb. QUININE (B.P.C.), 100 oz., 12s.; 50 oz., 12s. 6d.; 20 oz., 13s. 6d. (per oz.). Zinc, 14 lb., 53s.; 7 lb., 54s. 6d.

Crude Drugs

ACONITE.-Indian, on the is spot, offered at 275s. per cwt.; napellus, quoted at 3s. 101d. to 4s. 3d., duty paid.

Aloes.—Prime Cape is offered at 115s. per cwt. on the spot; shipment 105s, c.i.f. Curação is quoted at from 180s, to 185s. per cwt. on the spot, and Socotrine at 170s. More inquiry for Cape on spot.

Areca nuts.—Quiet. Spot quotations are

about 56s, 6d, to 57s, 6d, per cwt.

Balsams.—Canada on the spot is offered at upwards from 12s, 6d, per lb. Parà Copaiba, B.P., 5s. 9d. per lb., on the spot, San Salvador Peru, firmer at 4s. 9d. per lb., duty paid. Tolu is quoted at 9s. 3d. per lb., spot; shipment, 8s. 9d., c.i.f.

Benzoin.—Firm. Sumatra good almondy block, on the spot, is offered at from £17 10s, per cwt.; shipment, £17, c.i.f. Siam block (small almonds), £118, c.i.f.

CAMPHOR.—Chinese tablets are quoted at from 7s. 6d. (½-oz.); no offers of ¼-oz.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.), 7s. 3d. per lb., spot, London, duty paid, English synthetic powder, B.P., is quoted at 5s. per lb., and technical at 3s. 9d. per lb., in 100-lb. lots.

CASCARA SAGRADA.—Quiet, Quotations for mature bark on the spot are from 170s, to 175s, per cwt., duty paid.

CLOVE. - No offers of Zanzibar on the spot; 1s. 21d. per lb., c.i.f. Madagascar are 1s. 2d. per lb., duty paid; 1s. 1d. in bond. Penang are quoted from 3s. to 3s. 3d. per lb., spot.

GINGER.—African on spot is firmer at 240s. per cwt. Jamaican No. 1, 225s. per cwt., spot; No. 2 222s. 6d., spot; No. 3,

220s. per cwt., spot, quoted.

GUM ACACIA. - Kordofan cleaned sorts. on the spot, offered at 65s. per cwt.; shipment, 62s., c.i.f. Bleached No. 1, 125s., spot; to arrive, 115s., c.i.f. Talha, on spot, 47s. per cwt.; shipment, 39s. per cwt., c.i.f.

HENBANE.—B.P. herb (niger) on spot, 4s. 3d. per lb. Egyptian (muticus) at origin

is quoted at 95s. per cwt., c.i.f.

IPECACUANHA.—Firm. Nicaraguan, November-December shipment, quoted at 21s. 9d. to 22s. per lb., c.i.f.; spot quotations are from 24s. per lb. as to test. Colombian is quoted at 20s. per lb., spot;

prompt shipment, 19s., c.i.f. JALAP.—Vera Cruz, spot, 2s. 6d. to 3s. per lb. as to test. (10 to 15 per cent. resin). Brazilian (13 per cent.), 1s. 6d., spot; 15 per cent. shipment, 2s. 8d. per lb., c.i.f.

LIQUORICE.—Anatolian natural root is quoted at from 38s. to 45s, per cwt.; in cut lengths, 80s.; Russian, from 47s. 10d. Italian block is offered at 160s, per cwt.; stick is quoted at from 240s, to 475s., according to grade, Turkish block is from 125c to 180s are water with 180s. 135s. to 189s. per cwt.; stick, 250s. British block is quoted at 195s. per cwt.

MACE.—West Indian blade is quoted at 6s, per lb, on the spot; prices of pick s are from 2s. to 4s. 6d., as to quality.

MALE FERN.—Jugoslav root is offere at 60s, per cwt., duty paid; in bond, s. MASTIC.—Small tears (No. 2) are o ing at from 13s. per lb., spot.

MENTHOL. - Brazilian on the spot s

quoted at 62s. 6d., duty paid.

Mercury.—Ex warehouse, £18 10s. r flask; shipment, £17 17s. 6d., c.i.f. I

Myrrh.—Aden sorts on the spot e offered at £12 per cwt., siftings are qued at £6 10s. to £7 per cwt.

Nux vomica.—Cochin on spot is quel from 36s. per cwt.; at origin, quotat s for washed and garbled material are t 30s., c.i.f. Mangalore is 34s. per cwt., s

OLIBANUM.—Steady. Fair drop is fered at 150s., peas at 190s., fair glings, 125s., and siftings at 80s. per

ORANGE PEEL. - Thin-cut Tripoli offered at 1s. 3d. per lb., duty paid; bi quarters, 1s. 3d. per lb., duty paid, buy .

ORRIS .- Florentine root on the spot

offered at 115s. per cwt.

PAPAIN.—East African, on the spot quoted at 12s. 6d. per lb.; Ceylon bro, quoted at 9s. per lb., spot.

Pimento.—Spot offers are at from 1s. per lb.; to arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM. — Indian (emodi) is offer at from 310s. to 315s. per cwt., wharf, as to resin content; American (*tatum*), 275s. to 280s. per cwt., duty pe

QUASSIA.—Chips on the spot are quo at from 30s, to 35s, per cwt.

QUINCE SEED. — Cape on the spot steady at 3s. 6d. per lb.

RHATANY.—Quiet. Spot quotations unchanged at 9d. per lb.

RHUBARB. - Firm. Chinese comn round, on the spot, is quoted at from 5s. to 5s. 9d., duty paid, according to fractu

SEEDS .- The ANISE market is quiet a SEEDS.—The ANISE market is quiet a unchanged. Cyprus is 150s, per cwt., dt free; and Turkish, 140s, per cwt., dt paid, both spot London. CARAWAY.—Dut on spot is now quoted at 107s, 6d. 1 cwt., duty paid in London. CELERY Indian is dearer owing to buyers tak more interest on spot, 1s. 1d. per lb., n quoted, spot London; French, due to arrive a few days quoted at 1s. 2d. per 1 in a few days, quoted at 1s. 3d. per duty paid. Corlander.—Market remaining myth an upward tendency, Morot for shipment is now 40s. per cwt., c.i London; Argentine has been selling at 3 per cwt., duty paid, spot London, Cum
—Market dearer for shipment, Cypri
quoted at 145s. to 150s, per cwt., st
London; for shipment, 127s. 6d, per cw c.i.f., now quoted. Morocco for shipmer is 120s. per cwt. c.i.f.; no spot offers. Dir -Indian on spot is 55s, per cwt. Fenne

Indian, sellers at 70s. per cwt., spot ndon. Fenugreek.—Market is firm. dian, 57s. 6d. per cwt., spot London; procco, quoted at 52s. 6d. per cwt., duty id, spot London or Liverpool.

SANDARAC.—Old-crop material is offered 5s. 3d. and new-crop at 5s. 6d. per lb., ot London.

SARSAPARILLA.—Jamaica native red, on spot, is offered at 2s. to 2s. 2d. per : Jamaican grey, 3s. 6d., spot.

SENEGA. — Spot quotations for old-crop at 6s. 3d. per lb; August-September pment is offered at 5s. 6d., c.i.f.

SENNA.—Tinnevelly leaves, spot, No. 1, m 9½d, to 11d, per lb.; No. 2, l. to 8d.; No. 3, 61, per lb.; Tinnevelly is, hand-picked, 9d, to 1s, 5d.; manufacing, 5d, to 6d. Alexandrian pods, hand-ked, spot, from 4s. 9d. to 5s. 9d. per nominal; medium grades are 3s. to 4s.; nufacturing, from 1s. to 1s. 9d. per lb. evandrian leaves fa.g., 1s. 2d, per lb. exandrian leaves, f.a.q., 1s. 2d. per lb.

SHELLAC.—F.O.T.N., pure, is quoted at 5s, per cwt., ex warehouse London; F.O. indard 1, 340s.; fine orange, 370s. to s. per cwt.

SQUILL.—Italian fair white on spot is ted at 52s. 6d. per lb.

STRAMONIUM.—Indian on spot is offered 55s. per cwt.; Hungarian, 80s., spot.

STROPHANTHUS.—Kombé, 100 per cent., the spot, is quoted at 12s, 3d, to 12s, 6d. lb. No supplies of gratus.

STYRAX.—Supplies are offering at from

RAGACANTH. — Steady. Selected white bon, spot, is quoted at £90 per cwt.; er white grades, from £40 to £70; pafe f, £33 to £35; amber flake, £20 to £25; l, £12; hoggy, about £5 to £9 per cwt. CURMERIC.—Firm. Spot quotations for dras are from 115s.; July-August ship-

nt, at 107s. 6d. per cwt., c.i.f., nominal. Valerian.—Belgian natural is offering about 150s. per cwt., spot.

Waxes.—Dar-es-Salaam Bees' is 335s. cwt., spot; shipment, 330s., c.i.f. danese, in bond, 310s.; for shipment, s. per cwt., c.i.f. Lindi, 330s. per t., spot; shipment, 322s. 6d., c.i.f. nguela is 305s. per cwt. in bond and os. duty paid; for shipment, 275s., c.if., NDELILLA.—A parcel on spot is offered 335s. per cwt; September delivery, 310s. RNAUBA.—Prime vellow is 685s. per cwt., ot: shipment, 610s., c.i.f. Fatty grey on the sat 450s. per cwt.; shipment, 450s., f. No offers of chalky grey. Montan.—ibeck is offering at 180s. per cwt., spot; pment, 150s., c.i.f. Ouricuri.—99.5 per it. pure is quoted at 445s., spot; 420s. r cwt., c.i.f. A parcel with a test of per cent. impurities is 435s., spot. Sper-CETI.—Offered at 2s, 5d. per lb., spot.

Essential and Expressed Oils

Almond.—Sweet oil, B.P., on the spot, is offered at from 3s. 6d, to 4s. 6d, per lb. Bitter oil is quoted at from 27s. 6d, to 60s. per lb., as to grade.

ANISE.—Quotations for Chinese Star on spot are from 7s. per lb. in drums, and from 7s. 3d. per lb. in tins in cases. The market continues firmer.

CAJUPUT.—From 17s, to 19s, per lb, is asked for spot stocks of B.P. grade,

CITRONELLA.—Firm. Ceylon on the spot is quoted at from 4s, 9d, per lb., July-August, 4s., c.i.f.; Java, 9s. 4d., c.i.f., for August-September shipment.

CLOVE.—English-distilled bud oil is from 10s, 9d. to 11s, 6d. per lb., according to quantity: imported oil is offered at from 5s. 6d. to 7s.

Juniper Berry.—Czechoslovak is quoted

at from 17s. 6d. to 20s. per lb., spot; English, 70s. to 100s. as to grade and seller.

Lemongrass. — Firm. Spot quotations are 8s. 9d. to 9s. per lb.; shipment, 8s. 3d. to 8s. 5d., c.i.f.

PATCHOULI. — Quotations are from 37s. 6d. to 40s. per lb., spot; shipment, 36s. 6d. per lb., c.i.f.

Sandalwood. — Mysore oil on spot, from 66s, to 73s, per lb.; English-distilled is about 75s, per lb.; West Indian, from 16s. per lb., on the spot.

Sassafras.—Brazil on spot is quoted at from 4s. 6d, to 5s. 3d, per lb.

Teaseed. — Spot quotations for refined oil are at 24s. per gall.

THYME. — Red oil (40-42 per cent. phenols). 10s. 6d. to 12s. 6d. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

TI-TREE.—Quotations are from 6s. 6d. to 8s. per lb., according to quantity.

VALERIAN.—English-distilled oil is quoted at 75s. per oz.

Vetivert. — Bourbon on spot is quoted at from 65s, to 70s, per lb., as to grade.

YLANG YLANG.—Bourbon, 60s. to 70s. per lb., as to grade and seller.

THE National Edible Oil Distributors' Federation rates, for all areas except Devon and Cornwall, are as follows: GROUNDNUT, and Cornwall, are as follows: GROUNDNUT, MAIZE, COTTONSEED, SUNFLOWER - SEED, 127s. 6d. per cwt., 10s. 5d, per imperial gall., 10s. 3d, per approximate gall.; PALM-KERNAL, 126s. 6d. per cwt., 10s. 4d. per imperial gall., 10s. 2d. per approximate gall. The prices are for oils packed in cans. The price of oil in barrels is as follows: On loan, 1s. per cwt. below the ½-cwt. can price; free, 3s. per cwt. below the ½-cwt. can price, plus the cost of container. Devon and Cornwall rates for oils are 2s. per cwt. or two pence per gall. more are 2s. per cwt. or twopence per gall, more than those for other areas, and the cwt. prices are based on ½-cwt, loan taper cans.

MISCELLANEOUS INQUIRIES

Manufacture of Liqueurs.—P. C. H.— The manufacture of liqueurs may be undertaken in Great Britain only by licensed distillers holding a compounder's or rectifier's licence.

Sales of Creosote—C.W.N.—Creosote, although a Part I poison (i.e., saleable by pharmacists only) is exempt from the provisions of the Pharmacy and Poisons Act, 1933, if the creosote content of the preparation is less than 50 per cent.

Ice-Cream.—M.C.—No statutory standards are in force at present in England for ice cream. Earlier in 1949 additional sugar was made available to ice-cream manufacturers on condition that they adopted a minimum fat content of $2\frac{1}{2}$ per cent.

Hot Water Bottle as Douche.—F. M.—In a douche apparatus that consists of an india-rubber hot-water bottle and fittings the bottle is chargeable with purchase tax at 33\frac{1}{3} per cent. under Group II (i) but the fittings are free of tax as a surgical instrument.

Deposit in Linctus.—C. R.—The tannin present in syrup of wild cherry is liable to be deposited by many added substances of which codeine is one. Although glycerin is included in the formula for linctus codein., N.F., 1949, in order to retard the reaction, that aim is not entirely achieved.

Air Disinfection of Sickrooms.—M.S.W.—The question of air disinfection of sickrooms was dealt with in the "British Medical Journal," 1945.I.914. The main conclusions were that suppression of dust by oiling floors and fabrics is likely to be complementary to the use of ultra-violet light or special chemical disinfectants in an atomised state. Propylene glycol ærosol has been used in the United States with some success and the oil used for spraying floors and fabrics is usually a light mineral oil.

Technical White Oil.—M. R. S.—The term mineral oil applies to the whole class of petroleum products whereas the term technical oil or technical white oil has been introduced by the petroleum producers to describe a limited section of mineral oil products, namely, those of relatively low viscosity. The technical white oils are not of a purity high enough to render them suitable for preparations intended for internal use,

TRADE MARKS

(From the "Trade Marks Journal," ly

For toilet preparations (3).—"DE" and device incorporating word "DEC"; by Chas. Zimmermann & Co., Ltd., ndon, E.C.3; 668,435 and 668,436. "UDE LANVIN"; by Lanvin-Parfums, Fra; 672.577. "JOREDA"; by David Reg ld Gibbon, Rhondda, South Wales; 675 1. "FARNESIANA"; by Félicie Eu; ie Amêlie Bergaud, trading as Parfur ie Caron, Paris, France; 675,733.

For detergents (3).—"ALDAGENE" by

the British Oxygen Co., Ltd., Lor n, W.1; 674,294.

For pharmaceutical preparations (— "Ferrofax"; by the Crookes Lal atories, Ltd., London, N.W.10; 662 a. "Hetrazan"; by American Cyan id Co., New York; 675,023. "Oscolin'; by Oppenheimer, Son & Co., Ltd., ndon, S.W.9; 674,795. "Prolopen" by Glaxo Laboratories, Ltd., Greenford, ddlesex'; 675,241. "Sulfacrin"; by us & Baker, Ltd., Dagenham, 673 o. "Trafuril"; by Ciba, Ltd., Basle, therland; 675,961. "Zobon"; by Sulfacrind; 675,961. "Zobon"; by Sulfacrind; 675,961. "Longenfam, 672,586.

For all goods (5).—Heraldic device ill incorporating letters T. & K.; by Dui m Chemicals, Ltd., Durham; 675, 3. 675,004 and 675,005. "PENTIMON" by Bayer Products, Ltd., London, W. 1; 680,703. "Spontox"; by May & B. Ltd., Dagenham; 676,100.

For medicated lozenges (5).—" t-sameta"; by McClure, Young &)... Ltd., London, N.W.10; 670,860.

For anti-histaminic preparations (- "TAGATHEN"; American Cyanamid ... New York, 675,024.

For articles containing rubber for n ical purposes (10).—Castle in circle d resurrounded by name of company; by it Castle Rubber Co., Ltd., Warrington. For hair-nets (26).—"UNEEDA"; W Robert Shaw & Co., Ltd., Nottingles: B657,062.

For hair-fasteners (26).—"GILDA" N Kigu, Ltd., London, N.W.10; B673 3-"PIN-UP GIRL"; by Pin-Up Cold P I-Wave, Ltd., London, N.W.10; B674 4-

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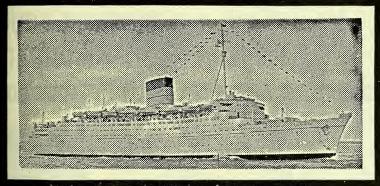
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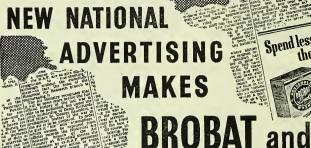
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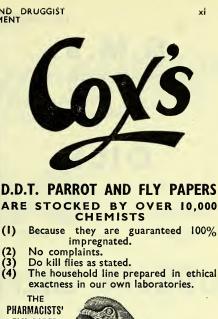
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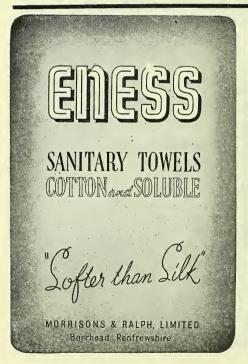
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Most people need a Tonic at one time or another. For that reason it is sound policy to keep adequate stocks of Phosferine — The Greatest of all Tonics.

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THE DENVE CHEMICA MFG. CO.

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Now a 1/6 size of Ammi-dent

Now Ammi-dent, the Ammonium Ion Toothpowder, which has received such an amazing welcome from Dentists all over the country, is available in two sizes:

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Remember, Ammi-dent, the only ammoniated dentifrice licensed for manufacture in England by the Eastern Graduate Research Foundation of N.Y., is already being used and recommended by more than half the Dentists in the country.

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The Ammonium Ion Toothpowder

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Special emphasis is placed on quality. Hence the softas-down cotton wool, the smooth knitted covers, the securely stitched loops.

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For a towel which has all the features essential to comfort and safety the prices are highly competitive.

That's why they are so popular with women. That's why they are so profitable to the chemist.

P	RICES	
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Size 0	15/9	1/9
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SILCOT SANITARY BELT (Subject to Pur. Tax) 12/6 per doz. I/II each

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Have you received your customers' copies of "How to make the most of your Stergene?" If not contact your nearest Domestos Ltd. Depot. This useful, compact little booklet will be read and kept by Stergene users for it shows practical everyday ways in which Stergene can be useful. Truly Stergene makes business of cleansing.





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ew Styled bt Water bttle



An attractive moulded Hot Water Bottle in high-grade rubber. The handsome ribbed finish is a clever comfort feature too—it absorbs and radiates the maximum amount of heat, yet never becomes excessively hot to the touch. Colours:-Red, Blue and Green.

Each Bottle individually packed in hansome sales compelling carton. A special window or counter display, as illustrated, is included with all orders for 1 doz. bottles.



Nursery Rhyme

KIDDIES' HOT WATER BOTTLE

LI-LO kiddies' moulded Hot Water Bottle. Nursery rhyme and picture embossed on the surface. Seamless Best quality rubber. In pastel Blue and Pink. Now supplied in colourful transparent wrappers-a new sales appeal for a proven favourite.

These products now available from your usual Wholesaler, or direct from

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FAMOUS FOR OVER 80 YEA

SULPHUR **POWDERS**

The Gafe Corrective-WIDELY ADVERTISED -ORDER NOW -

ALFRED FENNINGS, HORSHAM, SUSSEX. (formerly of Cowes I.O.W.)



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GUARANTEED B.P. OUALITY

Mag. Carb. Levis. Mag. Carb. Pond. Mag. Oxide Levis Mag. Oxide Pond. Mag. Trisilicate.

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- Only Astral contains Liril*
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Liril is the proprietary name of a newly-perfected brand of ingredient blending 3 elements of special value to the skin.

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FRUIT SQUASES
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GOOD PROFTS

RETAIL PRICE - per b 27
YOUR RETURN 33 oz
YOUR BUYING PRICE 24
YOUR PROFIT - 8
(equals 33½ on st)

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And a quality you can con nay recommend. The smart pac skee a most attractive display. Popular flavours. Orange, on, Lemon and Orange, Pi ple, Applym (a Lime flavoure sple juice cordial).

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Our up-to-date equipment enables us to quote the lowest possible prices.

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NOW!... Silvikrin Lotion

with OIL!

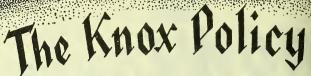
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Here's a line millions have been looking for . millions of men and women who have lespaired of finding an effective tonic and tressing for dry, brittle hair and scurfy calp, NOW Silvikrin Hair Tonic Lotion WITH OIL supplies their need-and your pportunity! This addition to the famous lilvikrin products combines three selling oints. It is a health-giving daily lotion; t contains special oils to correct dry scalp nd hair; it contains Pure Silvikrin, the air'snaturalfood, National Advertising s spreading the glad news of Silvikrin's otion with oil to 'dry-heads' everywhere ... act NOW to cash in on the ig demand for this regular seller.



LOTION with OIL





The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction

Today, in their Nation-wide advertising, all announcements carry this guarantee of honest trading and straightforward dealing

MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/7. This will enable you to see how quickly Cystex gives relief and benefit to health.



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All orders executed promptly in full.

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KNOX LABORATORIES LTD., 29 Duke St., St. James's London, S.W.I 'Phone: Regent 4562

Here are the Johnson twins with DOUBLE sales app 1

Johnson's Baby Powder — that you know so well as a consistent seller — now has a twin — Johnson's Baby Lotion! It sets mothers rejoicing and babies cooing all over the world.

Johnson's Baby Lotion makes nappie changing easier - cleaner - quicker. It was first introduced in hospitals and baby clinics to protect babies' tender skin and prevent nappie rash. You can recommend it for sunburn, windburn, chapping and skin irritations.

To every mother who buys Baby Powder, sell her Baby Lotion, too. They'll appreciate these twin aids in baby care, and you make twin sales where you made only one before.



Johnson's

BABY LOTION
for quicker, soothing nappie changing
BABY POWDER

for sweet and gentle, happy bathing

JOHNSON & JOHNSON (GT. BRITAIN) LTD . SLOUGH AND GARGRA

Bottle-fed babies-



Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of * 'Milk of Magnesia'.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



MILK OF MAGNESIA

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NOW IN FULL SUPPLY

THERE is no further need for us to ration chemists' supplies of Radian β —the liniment with a difference—because restrictions on essential materials have eased. You can now order your supplies of Radian β and be sure of prompt delivery. If you have not done so already, send for the attractive "sell-on-sight" display material and particulars of our extremely generous trade terms.

* Brings pain-easing ASPIRIN direct to bruise or sprain—swiftly relieves rheumatic aches and joint pains—is non-oily and non-staining—makes an effective inhalant and alleviates insect bites immediately and effectively.

Radian β can now be supplied in bulk (1 lb. size and 5 lb. Winchesters) for dispensing purposes, free of purchase tax.

Professional sample and literature on request.



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NEW, IMPROVED ARRII

over 8d. profit
for you on every
jar you sell!
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WOMEN are clamouring in the shops for Arrid—the world's biggest-selling creat deodorant which also stops perspiration. Advetising is being increased, and with a stron national campaign running, the demand will be something terrific!

Arrid sells on sight, and you make over 80 on every jar. Easy, quick profits, and satisfic customers who'll come in for other goods! You'be well advised to stock up without delay.

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PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS 3/= per large (14 oz.) packet

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27/- doz. Net Delivered Case of 2 doz. 54/-Case 3/- returnable

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SPRAY SPRAYER - - 5

Complete Outfit 7

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Full trade discounts

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One of the latest Pepsodent Press advertisements

PEPSODENT tils a straight story

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Canothpaste retard tooth decay?

The psodent Company holds that a first-class der ice has one major function in the prevention of the h decay - to keep tooth enamel free from del lious film. Laboratory tests over many years hav roved Irium to be unsurpassed in its power to en surface debris and emulsify mucous film.

is front-line protection, because if tooth is preserved from the action of the destruccteria flourishing in film, the life of the teeth can prolonged.

A ved product—backed by porful advertising

Per dent's straight, sensible, and scientifically proved classis making a strong appeal to the public. Sales arch all over the country in consequence. To display Pe dent is to sell Pepsodent! And don't forget, Pe dent's favourable terms mean generous profits!

TE IRIUM IN Pepsodent FIGHTS FILM

andard Size 1/4

Double Family Size 2/3

FILM ON TEETH CAN BE DANGEROUS The clinging, dulling film that

clouds the whiteness of your smile is hard to shift. It is active with acid-forming bacteria that can pit delicate tooth-enamel, If left, film can form damaging tartar that only your dentist can remove. Mere scrubbing will not deal with it effectively.

TWO-FOLD ACTION

Pepsodent's exclusive Irium emu sifies and washes away stubbo film, uncovers the clean enam Pepsodent's wonderf cafe, sure, polishing a

F-956-100

NHO

Gova Toilet Soap is available in four lovely

fragrances — Gardenia,

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long lasting fragrance will

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Range of Chemists Sundrice

Brushes-carded.

Each card contains-6 each Bent and Straight Throat Brush 6 each Med and large Iodine Brushes 12 small lodine Brushes

8/6 per Card—Tax Free.

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Jaynox Works. King Street, Fenton. Stoke-on-Trent.

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Patent No.41 (Registered)

SUPERFINE QUALITY WOOL SANITARY TOWN

LOOPED ENDS NON-ABSORBENT BACK

WHOLESALE ONLY



More women in Great Britain use Toni than any other Home Perm!

70,000,000 Toni Kits Sold!

Ety day more and more women in G t Britain are buying Toni. Actual sa figures prove this. Is it any wonder th Toni is the best-selling home perm.

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Toni Sales are Repeat Sales!

More women in Great Britain continue to prefer Toni to any other home perm. Women who buy and use Toni the first time continue to buy and use Toni. The brisk and steadily increasing turnover in repeat sales proves this.

REMEMBER: quick sales mean quick profits. Toni gives you both. Take advantage of this money-making opportunity!



The world's best-selling Home Perm



G R A F T O N films

An entirely new name in the sphere of quality films. A new base, a new emulsion. Panchromatic; anti-halation backed; 28 Sch. Please do not confuse our product with re-rolls or adaptions.

To provide proof of our claims we will supply sample dozen lots upon receipt of 26/6d. or with tax declaration, 15/6d.
This offer is open to recognised dealers and chemists only with a guarantee to refund cash if not satisfied.

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Price '20' sizes £9 6s. od. per gross plus tax £6 12s. od.
Price '127' sizes £7 16s. od. per gross plus tax £5 12s. od.
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Support the very successful and widespread National Advertising of LANTIGEN series of Dissolved Oral Vaccines, with attractive leaflets and striking counter cards, free on request. LANTIGEN is on the P.A.T.A. list, and retails at 25/8d. per bottle (inc. P.T.).

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LANTIGEN 'C' for Rheumatism of germ-born origi

LANTIGEN 'D' for Staphylococcal Skin Infection

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LANTIGEN 'F' for Whooping Cough.

Supplies direct from Sole Distributors:

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Manufactured by: LANTIGEN (ENGLAND) LTD., BAGSHOT, SURREY



advise it



Millions use it



Children love it



Boost your business with

KOLYNOS'

You know that national advertising helps you to sell. And 'Kolynos' Dental Cream is backed by advertisements in

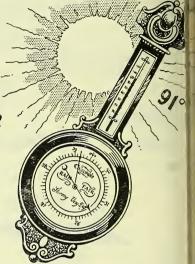
every leading newspaper and periodical. Display 'Kolynos' in your window—display it on your counter and tie-up with the ever increasing demand.

'Kolynos' can be included with other I.C.C. lines to qualify for Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.

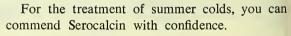
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In the heat of the moment...

COLDS ARE STILL PREVALENT



Summer heat naturally causes the body to perspire more free thereby leaving one susceptible to colds which, contrary to gene belief, are quite common in the summer months.



Three tablets taken three times daily in the eastages of a cold generally clear up an attack with a few days.

Please see that you have Serocalcin in stock.

Pharmacists are reminded that the sole selling agents for Serocalcin in the U.K. are J. C. Eno Ltd., Watford, Herts (Watford 7761), to whom all orders and enquiries should be sent.

SEROCALCIN

FOCALOR

for colds

composition

Abordiories Lid. No. 1.

DOCALOR

DOCALOR

COMPOSITION

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P.A.T.A.

HARWOODS LABORATORIES LTD

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SER (locum tenens), male or female, immediately. Salary 7 guineas per immediately. Salary 7 guineas per pply, stating full particulars of experi-Medical Superintendent, Hill End & Clinic, St. Albans, Herts. **BOTLEYS PARK HOSPITAL**

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THE MILLER GENERAL HOSPITAL, GREENWICH, S.E.10

GREENWICH, S.E.10

Assistant Pharmacists required at the above hospital. Salary and conditions of service in accordance with experience and J.N.C. recommendations. Modern well-equipped department.* Excellent experience for newly qualified persons. Successful applicants will be required to commence duties approximately September, 1949.

Applications, giving full details, together with copies of not more than three recent testimonials, should reach the Secretary to the above Committee, St. Alfege's Hospital, Vanbrugh Hill, Greenwich, S.E.10, as soon as possible.

possible.

The Bridge Walsall, nr. Birmingham Phone: Walsall 5948

28 Rigby Buildings, 4 Aytoun St Manchester I Phone: Central 0877

141 Bath St., Glasgow Phone: Douglas 3168

ERNEST I GEORGE & CO

Chemists' Transfer Agents, Stocktakers and Valuers

329 HIGH HOLBORN LONDON, W.C.I

Phone: Hol. 7406/7 and 2397

South Coast Represent

G. Loxton Grinstead "Edwalna," Oaklande Saltdean, nr. Brightor

Phone : Rottingdean

BUSINESSES FOR DISPOSAL

Drug store offered for con-Putney Area. A.1. version to pharmacy. Turnover for last financial year £3,566. Premises occupy prominent version to pharmacy. Turnover for last inflantation or position beneath modern block of flats. Price £1,000, plus stock at valuation (estimated at £800/£1,000). Reasonable offer considered. A.2. West End. Very old-established and well-known pharmacy of the ethical type offering abundant scope and opportunities for development. Turnover now averaging at the rate of approx. £180 per week; price, £3,500, plus stock at valuation (estimated at £2,000).

A.3. Suburban Essex. Cash drug store offered for conversion to pharmacy. Premises occupy main road position. Turnover for last financial year, £6,344. Lock-up shop. Property can be purchased or 21-year lease will be granted. Total minimum price, £3,750, subject to stock, £1,500. Excellent scope under qualified proprietorship. A.4. West London (Retirement). Family business of the better-class type. The turnover for

the last financial year approached £7,00 a net profit of nearly £1,300 after payin of nearly £800. Property also available. living accommodation. Excellent scope, required for business, £4,500, includin and fixtures, estimated at £2,500.

Kent. Unopposed good-class busine rn freehold property. Turnover modern freehold property. Turnover financial year, £4,158, but scope shou for appreciable further development. Goo accommodation with small well-laid-out Price asked for business, £3,100 (including and fixtures estimated at £1,300); for £5,000, on which we understand at least could be raised on mortgage if necessar

A.6. London, E.C. Old-established Citness; turnover for last financial year, approx.; main road position; good scop £2,500, including stock and fixtures (es at £1,700).

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUN

Appointments—Continued

JOINT PRICING COMMITTEE FOR ENGLAND.

Applications are invited for the following posts in prescription pricing bureaux:-

Superintendent: Lancashire No. 2, Preston, £635 x 25 x 25 x 25—£710.

Deputy-Superintendents: S.W. Lancs. and Cheshire, Liverpool, £550 x 20 x 20 x 20—£610. East Anglian, Leytonstone, £550 x 20 x 20—£610. West Midlands, Smethwick, £550 x 20 x 20 x 20—£610. Manchester, Manchester, £520 x 15 x 15 x 20—£570. Lancashire No. 1, Bolton, £520 x 15 x 15 x 20—£570. Central, Birmingham, £520 x 15 x 15 x 20—£570. 15 x 20-£570.

Applicants should have organising ability, administrative experience, and ability to control staff in addition to a good pharmaceutical knowledge, and should be not more than 50 years of age. The successful applicants will be required to contribute to the Superanuation Scheme. Candidates applying for more than one of the above posts should indicate the order of their preference. Applications stating age, qualifications, full details of experience and accompanied by copies of two testimonials should reach the Clerk, Joint Pricing Committee for England, 28 Kenwood Park Road, Sheffield, 7, not later than August 27, 1949. 27, 1949.

CONNAUGHT HOSPITAL WALTHAMSTOW, E.17

LOCUM PHARMACIST required from 24th September, 1949. Salary 14 grant Resident or non-resident. If resident, and the september of the september tion at the rate of £130 p.a.

Applications, stating age, experience an of two references, should be sent Secretary, Hospital Management Con Forest Group No. 11, Administrative Langthorne Rd., Leytonstone, E.11.

CONNAUGHT HOSPITAL WALTHAMSTOW, E.17

ASSISTANT TO PHARMACIST requi mediately (Hall certificate). Hospital ence preferred. Salary in accordance ence preferred. Salary in accordant J.N.C. scale. Applications, stating a perience, etc., together with copies of cent testimonials, to the Secretary, (No. 11) Group Hospital Managemen mittee, Langthorne Rd., Leytonstone,

HILL END HOSPITAL, ST. ALB 20 MILES FROM LONDON ON GO 'BUS ROUTES

Pharmacists or Dispensers required imme Salary and Conditions of Service in aco with Recommendations of the J.N.C. (I Staffs).

Arrangements might be made for the appointed to reside in the Hospital if Apply, stating age and full particulars perience, to Medical Superintendent.



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Roll Films are available from the Leading Wholesale Chemists, or direct from :-

CO. NDA (WHOLESALE)

don, E.9.

LAINGS NGS CORNER, MITCHAM, TELEPHONE: MITCHAM 4739 & 0826 SURREY

Appointments—Continued

ONNAUGHT HOSPITAL, WALTHAMSTOW, E.17.

cist-in-Charge required from e of £420 to £475 per annum, ris-five annual increments of £15 to a 1 of £495 to £550 per annum. Apstating age, experience and quali-should be sent at once to the Sec-Forest (No. 11) Group Hospital tent Committee, Langthorne Road, nent Con one, E.11.

VERNMENT OF WESTERN **AUSTRALIA**

ons are invited from qualified Pharal Chemists for appointment to the of Dispenser in the Drug Store control of the Medical Department of the ent of Western Australia. The Drug situated in the City of Perth.

ary range is at present A£547 to er annum, adjusted in accordance with s in the cost of living. A permanent would be offered to a suitable, which carries ample leave provisions, ice leave; superannuation rights, etc. ge to Western Australia would be

ons in duplicate, giving details of ions, training and experience, age, conditions, etc., together with copies sonials, should be forwarded to the neral for Western Australia, Savoy 15 Strand, London, W.C.2, to arrive than 30th September next,

HACKNEY HOSPITAL, LONDON, E.9

Applications are invited for:—
(a) SENIOR ASSISTANT PHARMACIST and
(b) ASSISTANT PHARMACIST.

(b) ASSISTANT PHARMACIST. Vacancies occurring immediately, Salaries (a) £415-£490 and (b) £370-£450, respectively, commencing according to experience in the grades. Apply as zoon as possible, with copies of recent testimonials, stating qualifications and salary required, to Secretary, Hospital Management Committee, Hackney Group, London F.9

NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

ANCOATS HOSPITAL,
MILL STREET, MANCHESTER, 4
SENIOR ASSISTANT PHARMACIST required. Salary in accordance with J.N.C.

Applications, stating age, experience, qualifica-tions and date of qualification, together with the name and address of two referees, should be sent to the undersigned as soon as possible. JOHN H. DAFFORNE,

General Superintendent.

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1.

ASSISTANT PHARMACIST

Applications are invited for this position. Salary, £370 to £450 on J.N.C. Scale, according to experience. Apply, with details of age and experience, to A. Rae, Chief Pharmacist.

MUNICIPALITY OF SINGAPORE

DEPUTY MUNICIPAL ANALYST The Municipal Commissioners of the Town of Singapore require a Chemist to fill the post of Deputy Municipal Analyst on the per-

of Singapore require a Chemist to fill the post of Deputy Municipal Analyst on the permanent staff. Applicants, who should not be over the age of 30 years, must possess an honours degree in chemistry and have had several years practical experience in general and analytical work. The dutits of the post involve analytical and consultation work for all departments of the Municipality. There is a competent staff of laboratory assistants. The commencing basic salary of the post depending on qualifications and experience is within the range of \$6,000 to \$7,920 (£700 to £924) a year plus an expatriation allowance where applicable, of \$1,350 to \$1,800 (£154 to £210) a year. The annual increment in salary is \$360 (£42). In addition a cost of living allowance on a percentage basis is at present payable to Municipal Officers resident in Singapore which on a basic salary of \$6,000 p.a. is \$180 a month for a single officer, \$225 for married officer with dependent children, subject to maxima of \$220, \$295 and \$395 a month respectively. \$1 is equal to 2s. 4d.

Transport allowance for duty purposes is granted.

Transport allowance for duty purposes is granted.

Basic salary, expatriation allowance, and cost of living allowance are subject to local

Partly furnished quarters will be provided, if available, at a charge of 8 per cent. of the

officer's salary

officer's salary.

The candidate selected would be appointed on a three years' agreement, in the first instance, and would be required to pass a medical examination and to join the Municipal Provident Fund under the rules of which he must contribute 7½ per cent: of his salary and expatriation allowance.

expatriation allowance.

A free passage will be provided for the officer and, if married, for his wife and for his children under 17 years of age (up to a maximum of 3 full passages) together with half salary on the voyage.

Applications submitted in duplicate, stating age, place of birth, details of education, qualifications, training and experience, accompanied by copies of testimonals must be lodged.

qualifications, training and experience, accompanied by copies of testimonials, must be lodged with Messrs. Peirce & Williams, Chartered Civil Engineers, Agents to the Municipal Commissioners of Singapore, 1 Victoria St., Westminster, S.W.I, not later than September 3, 1949. Further information regarding the appointment may be obtained on application.

NATIONAL HEALTH SERVICE ACT 1946 SHREWSBURY GROUP 15 HOSPITAL MANAGEMENT COMMITTEE

TWO ASSISTANT PHARMACISTS are required for duties in the area of Shrewsbury Group 15 Hospital Management Committee. Salary in accordance with the Joint Negotiating Council Scale.

Applications, stating age, qualifications (with dates), nationality, with copies of recent testimonials, should be sent to the undersigned.

J. P. MALLETT,

Secretary.

Royal Salop Infirmary, Shrewsbury. 26/7/49.

ROMFORD GROUP HOSPIT MANAGEMENT COMMITTE APPOINTMENT OF DEPUTY CF F PHARMACIST

PHARMACIST
Applications are invited for the aboresident appointment at Oldchurch I bits Romford. This modern hospital of 7! between the specialist departments, is situs miles from London, and is well served and rail transport services.
Applicants should have had not less the years' hospital experience after qualifying Pharmacist. Salary in accordance with Yscale, viz., £425/£20/£525 a year, or additional increment of £15, if specially mended, to a maximum of £540 a year. The appointment will be subject (a) to sin mended, to a maximum of £540 a year The appointment will be subject (a) to a satisfactory medical examination and the provisions of the National Health (Superanuation) Regulations, 1947. Applications, stating age, qualifications, employment and previous experience, a ing names of three referees, should dressed to the Secretary, Hospital Man Committee, Oldchurch Hospital, Rom soon as possible soon as possible.

WEST LONDON HOSPITAL HAMMERSMITH ROAD, W.

Applications are invited for the appear of Assistant Pharmacist (male). Sa accordance with the J.N.C. Scale, lietions, with usual particulars to the hi Pharmacist.

WEST MIDDLESEX HOSPITA

WEST MIDDLESEX HOSP L
SOUTH-WEST MIDDLESEX HOSP L
MANAGEMENT COMMITTEE
LOCUM ASSISTANT PHARMACIS
quired for the following period:—
22nd August to 1st October
Salary £8 8, to £10 10s, per week,
ing to experience. Non-resident. Appli
with testimonials and full particulars
qualifications and experience, to the
Pharmacist. West Middlesex Hospita Pharmacist. West worth, Middlesex.

WEST LONDON HOSPITA HAMMERSMITH, W.6

Required ASSISTANT with Apothecari tificate in dispensing. (Hospital expreferred.) Salary in accordance with Scale). Apply with usual particulars Chief Pharmacist.

Vacancies advertised are restricted to per employments excepted from the provisions Control of Engagement Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word.

RETAIL (HOME)

A COMFORTABLE SITUATION is offer qualified lady or elderly gentleman (sing London suburb. Pleasant living accom above pharmacy available if required. Lit centage of N.H.S. dispensing fees. Any r salary asked for will be given. Apply Box

LIFIED MANAGER required for old-estabusiness in S.W. London. Salary and comwith good prospects and opportunity to or invest later if required. No rota Full details to Box 6/594.

NAVY STORES, LTD., require dispensing also assistant for counter, Hours: 8,45 5.30 p.m. Saturday till 1 p.m. Apply Staff; 12 Artillery Row, S.W.1.

NT for display, counter, photographic and

MT for display, counter, photographic and S. Active man with initiative required at will wait until free. Good congenial, per for energetic man. Qualified preferred. lary. East London District line. Particu-East London District line.

lary. East London District line. Particu-ox 6/597.

NTS REQUIRED, men or women, qualified alified, pricing stockbooks September to Central London. Five days, 9 to 6. L." Box A/318.

L." Box A/318.

THE CHEMISTS have vacancies in a number st for qualified assistants, male and female. male) Central London £10 5s. to £11 5s. litan District £9 17s. 6d. to £10 17s. 6d. s £9 10s. to £10 10s. (Female Central £9 15s. to £10 15s. Metropolitan District dt, to £10 7s. 6d. Provinces £9 to £10, to age. Engagements are on a permanent n good prospects and eligibility for penassurance, etc. There are also a number cies for unqualified assistants with sound utical experience. Good remuneration etw to permanency. Pension scheme, etc. ons should be made to Retail Staff Departation St., Nottingham, stating age, experiation St., Nottingham, stating age, experi-l district preferred.

or chemist-optician required, male or Flat available. State wages required. nuation scheme. Applications to Hinchliffle. Co-op. Society, Ltd., 57-59 Huddersfield

mfirth.

OF SUITABLE accommodation, if reon appointment. Qualified persons, male ale, are required to manage attractive is in south-east and south-west districts on. Positions are available offering salary 50 to £650 per annum, plus generous com-Engagements are permanent and progres-include entry into superannuation scheme. iving full particulars to the Staff Manager, rsenal Co-operative Chemists, Ltd., 113... Woolwich, S.E.18.

Unqualified lady assistant required, or dispensing in busy pharmacy. Excellent conditions. Apply with particulars of exand salary required to: O. L. Carrington, lon Rd., Croydon.

CLARKE, Edgware. Experienced, unqualistant. Essentially dispensing (lady or genful time, approximately 42 hours perhift work two late nights per week, 3-10. Iday in four, rota duty. Salary according ience. Derek B. Clarke, 85 Station Rd., Middlesex. Edgware 2061.

STER. Unqualified dispensing assistant (male or female) for family dispensing Good salary, liberal commissions, peneme. Full particulars to Retail Staff Dept., Whites & Taylors, Ltd., 70 Vauxhall load, London, S.W.1.

RE. Pharmacist required. Essentially dis-(lady or gentleman). Full time, approxi-12 hours per week. Shift work two late er week; 3-10. One Sunday in four rota lalary according to experience. Derek B. 85 Station Rd., Edgware, Middlesex. Edg-

Qualified assistant, part or full-CROYDON AREA. time, required. Dispensing and counter work. Box 6/582.

EVANS MEDICAL SUPPLIES LTD. require several young pharmacists for dispensing and supervisory work. Salary according to qualifications and experience. Apply to The Manager, Evans Pharmaceutical Laboratories, 29 Fleet Street, Liverpool, 1.

FOLKESTONE. Unqualified dispensing male assistant required. Good salary and excellent prospects. Full particulars to Retail Staff Dept., Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

FULHAM, S.W.6. Superintendent pharmacist for light, good-class business. Suit elderly gentleman. Comfortable berth. Easy hours. Apply, S. C. Fisher (Chemist), Ltd., 413 Fulham Palace Rd., Fisher (Chemist), Lt S.W.6. Putney 3101.

HENLEY-ON-THAMES. Dispenser wanted, male or female, qualified or unqualified. Good wages ac-cording to experience. Good lodgings available. Telephone Henley-on-Thames 211. Fairbairn, 24 Reading Rd., Henley-on-Thames.

IMMEDIATE VACANCY exists for keen progressive pharmacist, used to heavy N.H.S. dispensing, to manage busy pharmacy in E. Midland City. Possibility and succession depending on initiative and progress. Salary and commission on dispensing. Hours: 9-6, rota 1 in 8 weeks. Accommodation can be arranged over shop. Experienced counter staff. Middleton, Midgate Pharmacy, Peterberguigh.

KENSINGTON. Unqualified assistant required for high-class dispensing business. Telephone or write for an appointment to Gamble & Co., 347 High St., Kensington, W.8. (Western 2730).

KENSINGTON. Unqualified assistant for high-class dispensing business. Apply James Garner, 106 Kensington High St., W.8. Western 1845. (Opposite Underground station.)

LONDON CO-OPERATIVE CHEMISTS, LTD., invite applications from experienced pharmacists for branch managerial vacancies in pleasant suburban areas. Modern, well-equipped shops with good supporting staffs, attractive salary, generous commission, with payment for all rota duties. Posiinisson, with payment for all role duties. Tosi-tions permanent and superannuated, with excellent promotion prospects. Choice of living accommoda-tion, house or flat, where required. Full particu-lars as to experience, wages, required, etc., to Superintendent Chemist, Grange Rd., Leyton, E.10.

MUSWELL HILL. Unqualified lady assistant required for good class business. Knowledge of window-dressing, toilets. dispensing, an advantage. Reasonable hours, good salary. Apply to Proctor Cole, Ltd., 116 Avenue Parade, Alexander Park Rd., London, N.10.

MANAGER REQUIRED for neglected shop in North London. Good salary and commission will be paid to keen pharmacist who has confidence in his business-building capabilities. Box 6/611.

PHARMACIST, either sex, as assistant in modern pharmacy. Good wages and conditions. Superannuation scheme. Applications, stating age, experience, present position, etc., to General Manager, Sowerby Bridge Industrial Society, Ltd., 60 West Street, Sowerby Bridge.

PHARMACIST MANAGER of branch required. Three assistants kept. House available.. Apply with full particulars including salary desired and previous experience to:—The Secretary & General Manager, Morley Industrial Co-operative Society, Ltd., Albion St., Morley, Leeds.

baldi St., Grimsby.

Situations Open—Continued

PONTEFRACT. Pharmacist-manager required urgently for busy dispensing and family business. Salary £500, plus director's fee and interest in the profits. Apply J. H. Martin (Chemists), Ltd., Fitzwilliam, nr. Pontefract.

QUALIFIED ASSISTANT, dispensing and counter; better class. Permanency. S.c. flat available. Southend area. Box 6/613.

QUALIFIED ASSISTANT for pharmacy, Westcliffon-Sea. Easy permanent position. Good salary, bonus and s.c. flat immediately available. Box 6/614. QUALIFIED ASSISTANT PHARMACIST required for pleasantly situated pharmacy, Coast resort. Trade union rates. Applications to managing Secretary, Great Grimsby Co-operative Society, Ltd., 74 Gari-

QUALIFIED MANAGER required for branch pharmacy, Salary, £10 per week, and commission on National Health dispensing (minimum £1). Superannuation scheme. Apply, stating age and experience, to Kidderminster Co-operative Chemists, Ltd.. Worcester St., Kidderminster,

QUALIFIED MANAGER required by small firm of chemists. Comfortable post and good salary and commission offered to keen man. Superintendent Pharmacist, 298 Cavendish Rd., S.W.12.

QUALIFIED CHEMIST wanted as assistant as soon as possible. Symmons, Chemist, Milford Haven. READING. Young qualified assistant required for busy branch shop in good Comfortable self-contained premises. Good salary paid. No Sunday or holiday work except on local 6 to 7 p.m. rota, one week in six. Apply to G. B. Osborne, M.P.S., 118 Broad St., Reading, Berks.

SOUTH COAST. Unqualified assistant with good counter and dispensing experience required. Separate unfurnished flat available. Long & Strickland, Ltd., High St., Bognor Regis.

UNQUALIFIED ASSISTANT with knowledge of photographic darkroom work. Permanency. Apply 146 Holborn, E.C.1.

UNQUALIFIED ASSISTANT required for dispensing department. Congenial surroundings. Easy hours. Good salary. Permanency. No holiday or half-day duties. Lincoln, 133 Singlewell Rd., Gravesend, Kent.

WE HAVE SEVERAL interesting and well-paid vacancies for unqualified staff in the London areas of Ilford, Greenford, Battersea and Edgware. Aplication in first instance to Superintendent Chemist, London Co-operative Chemists, Ltd., Grange Rd., Leyton, E.10.

WANTED an unqualified assistant, male or female, for drug department. Dispensing experience essential. Good wages and conditions. Pension scheme. No Sunday or holiday duty. Apply immediately, stating age and experience to the Coperative Society, Ltd., Crown Street, Hebden Bridge, Yorks.

WEST HARTLEPOOL. Pharmacist, male or female, required to manage modern, newly fittled branch pharmacy. New modern house available attached to shop. Adequate supporting staff provided. Superannuation scheme, Salary £501 16s. per annum, plus rota fees, plus bonus scheme. Excellent prospects for capable person. Apply giving particulars of experience to Superintendent Pharmacist, Hartlepools. Co-operative Chemists, Ltd., West Hartlepool.

for invoice section. Central London, Ho 8.3 to 5.30. Saturday, 1 p.m. Apply Box 9

LOCUMS WANTED

LOCUM PHARMACIST and Dispensing required Mid-August to October. Lewis Borows, Ltd., 146 Holborn, E.C.1.

LONDON CO-OPERATIVE CHEMISTS, LTL havacancies for locums, both men and wome macists, to the end of October. Full paras to vacant dates, experience, salary and sion required, in first letter please, to trendent Chemist, Grange Rd., Leyton, E.1

RETAIL (OVERSEAS)

PHARMACIST REQUIRED for American ty in store in Bermuda. Married man preferred opportunity. Apply in first instance, statin fications, to Wates, Ltd., 1260 London Rd.,

QUALIFIED MANAGERS required by Engli of wholesale and retail chemists for bran British West African colonies. The postipermanent with progressive salary and contributory pension scheme, retiring age 5 Tours are of twenty months with four leave in United Kingdom on full pay. I come tax. Free furnished living accomn and medical attention is provided, also fi sea passages and outfit allowance. Apply, particulars of age, qualifications and explaso state whether married or single, to Box

WHOLESALE

AGENTS REQUIRED . . .
IN ALL TERRITORIES TO HANDLE
WELL . KNOWN TOILET ROLL
MANUFACTURERS' PRODUCTS

SALARY AND COMMISSION
Box A/271

A LEADING MANUFACTURER requires a sentative in the Kent, Hants and Sussex i contact the medical profession and pharma trade with established, nationally advertise ducts. Applicants should be young, energe ambitious and need not necessarily be q pharmacists (although this would be an adva Car will be provided. Write, giving brief of career to Box A/321.

APPLICATIONS INVITED for four appointm complete team of progressive firm manufa superior quality medicated confectionery an prietaries in constantly increasing demand. ritories: 1—S. London, Kent, Sussex. 2 Country. 3—East Anglia. 4—Oxford, Beds, Berks, Herts, Middx. Applicants m very experienced with strong connections an viously representing reputable house. Positio permanent and well paid with real prospet progressive earnings. Applications will be sidered from top class men operating for one house only. If you wish to join us send particulars including age, territory and experienced.

dby old-established manufacturers of widely advised toilet rolls for sale to retailers on son basis. Reply in confidence, stating v covered, to Box 6/577.

ASS ANT PHARMACIST (male 25-30) required to ke technical supervision of manufacture packing of ethical pharmaceuticals. Previous respective constant of the packing of ethical pharmaceuticals. Previous according to age, qualifications and experiwrite, giving full details (confidential), to left of officer, May & Baker, Ltd., Dagenham, Please quote reference No. 3358.

ASS NT PHARMACIST required by manufacturing mists for newly equipped factory in Surrey (55 to from Central London). The person appoint will assist the Chief Chemist in manucontrol and production of anæthetic solutions in the control and production of anæthetic solution of the control and production of anæthetic solution in the control and production of anæthetic solutions in the control and production of training, and past experience, and indicating alary required, to Box U4629, A.K. Advg., aftesbury Avenue, W.C.2.

H SCHERING LTD. Advertising manager. Applice is are invited for appointment as executive in ge of the advertising of the company's med and agricultural products in both thought the company's med and agricultural products in both well ucated and have had practical experience of the company's company and products and of the company and products and of the company and products and of the company are company and the company and the company are company and the company and the company are company are company and the company are company are company and the company are company are company are company are company and the company are company and the company are company and the company are company and the company are company are company are company are company and the company are compan

as some knowledge of modern packaging. The appointment affords an exceptional nity for progress to a person of the recalibre and is pensionable. Applications received in strict confidence and should be d to the Managing Director, British Limited, 167/169 Great Portland Street,

Il SCHERING LIMITED. Appointments to native Staff. It is proposed to appoint ratives to undertake propaganda in respect company's medical products in the followas:—1. Central London, part Sussex and Islands. 2. Oxford, Berks, Herts, Beds, and Hants. 3. Bristol and the South West. Prool, Cheshire, Staffs and North Wales. Anglia and N.E. London. Applications se appointments are invited from young harmacists of either sex or from similar who, although perhaps not academically in the property of the property

Successful candidates will be given a h training so that previous experience of tation is not essential. British Schering tatives are provided with cars and are for the company's superannuation scheme. tions, which will be treated in strict conshould state age, qualifications, experience ary required and be accompanied by a relotograph. They should be addressed to ome Sales Manager, British Schering, 167/169 Great Portland Street, London,

ABORATORIES, LTD., have vacancy for in buying department, age about 30. Ppartment is responsible for the purchase raw materials, packaging materials, printed some amount of plant and equipment in first instance with full particulars and ice to Secretary, Horsham, Sussex.

CHEMIST (qualified), perferably with analytical experience, required as works manager to manufacturing chemists in S.E. London, Salary in region of £550-£600. Write in confidence to Box 6/609.

CHIEF CONTROL CHEMIST wanted by pharmaceutical and cosmetic laboratories, experienced in analytical control of raw materials and products essential. Should be at least B.Sc.—F.R.I.C. (Branch E) advantageous, Initial salary not less than £800 per annum. Pension scheme; 5-day week. Applications to Production Manager, William R. Warner & Co., Ltd., Power Road, Chiswick, W.4.

CIBA LABORATORIES, LTD., Horsham, Sussex, require immediately two young qualified pharmacists for junior executive posts in Sales and Propaganda Departments. Previous experience not necessary. Please apply to The Manager, giving usual particulars and indication of salary required.

COMMISSION SALESMEN, with first-class connections among retail chemists, required for several areas. Liberal terms to right men. Apply stating full details of experience and area covered to Nappiwite Ltd., 17 Conduit Street, London, W.1. EVANS MEDICAL SUPPLIES, LTD., require a representative to call on retail pharmacists, hospitals and doctors in Cumberland and the Scottish Border Counties. Experience and knowledge of the area an advantage, but young pharmacists having a flair for sales are invited to apply and if suitable would be accepted for training. Car provided. Full details of experience, qualifications and age, to Evans Medical Supplies, Ltd., Home Medical Department, Speke, Liverpool, 19.

FIRST-CLASS MEDICAL MAN required to take charge of medical department of well-known London house in North-West London. Must have considerable experience of propaganda and sales to doctors, hospitals, etc., and have literary ability in connection with the preparation of brochures, circulars, Press advertisements, etc. Medical qualifications an advantage but not essential. Exceptional opportunity for the right man. Remuneration by arangement. Applications with fullest details of experience, age, etc., should be sent to Managing Director, Box A/325.

GLASSBLOWER, experienced, required for inhalation apparatus. Write stating age and experience to Box A/322.

MOORE MEDICINAL PRODUCTS LTD. invite applications from experienced representatives to cover two areas which will shortly be vacated. (a Sussex, Surrey, Middx, etc. (b) South Western England. Salary, commission and expenses. Must possess car and live in area. Apply in confidence giving full particulars to Sales Director, 64 Gloucester Place, W.1.

PHARMACIST

... urgently required for service with large industrial concern operating in the Middle East. Large hospitals and staff of British M.O's and Sisters. Considerable dispensing for hospital and outpatient clinics. Applicants must hold M.P.S and be not over 35. Attractive salary plus generous allowance in local currency. Free passage out and home, medical attention; kit allowance; Pension Scheme; good leave arrangements. Write giving age and full details of qualifications and experience quoting Dept. F.94 to Box 2278 at

191 Gresham House, E.C.2

MEDICAL WRITER. The British Drug Houses, Ltd., have a vacancy for a copywriter to assist in the preparation of brochures and Press advertisements. Previous experience an advantage, but not essential if applicant can show evidence of literary ability and has some knowledge of medical representative work. Applications, with fullest details of experience, should be addressed to the Personnel Manager, Re RMA/WKW, The British Drug Houses, Ltd., Graham St., London, N.1.

OLD-ESTABLISHED manufacturing house with sound veterinary connections require the services of two representatives with previous drug trade and representative experience to call on veterinary surgeons in the following territories: (1) South Wales, Gloucestershire, Hereford and South-west Counties; (2) North Wales, Lancashire, East and West Riding, Lincoln and part Midlands. Salary, Commission and expenses, Applicants, who should reside in the territories and preferably be carowners, should send full details of age, education and previous experience together with references to Box A/323.

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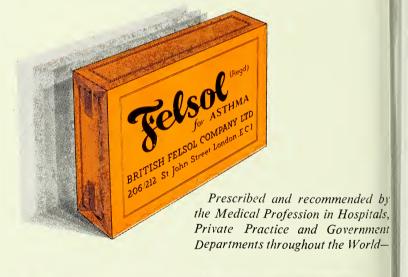
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